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UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

HENRY S. GRAVES, Forester

July Field Program, 1910

This program of field work and assignments in the Forest Service is issued quarterly on the fifteenth day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER

HENRY S. GRAVES, Forester.

ALBERT F. POTTER, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

HERBERT A. SMITH, Editor; Publication, FINDLEY BURNS, on leave, BRISTOW ADAMS, in charge; GEORGE B. SUDWORTH, Dendrologist; EUGENE S. BRUCE, Expert Lumberman; D. D. BRONSON, General Inspector; E. M. GRIFFITH, Special Inspector, Madison, Wis.

ACCOUNTS

Division of Accounts and Disbursements (Forest Service Branch).

M. E. FAGAN, Chief of Office of Accounts; E. A. MELZAR, Assistant Chief.

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OPERATION

JAMES B. ADAMS, Assistant Forester, in charge; CLYDE LEAVITT, Assistant Forester; GEORGE G. ANDERSON, Assistant in Office Methods.

GEOGRAPHY—FRED G. PLUMMER, Chief.

ATLAS—G. B. BRUCE, Acting.

DRAFTING—C. A. KOLB.

PHOTOGRAPHY—A. G. VARELA.

MAINTENANCE—GEORGE A. BENTLEY, Chief.

SILVICULTURE

WILLIAM T. COX, Assistant Forester, in charge (in the field); E. E. CARTER, Assistant Forester (in the field); A. K. CHITTENDEN, Acting Assistant Forester.

STATE AND PRIVATE COOPERATION—J. G. PETERS, Chief (in the field); J. H. FOSTER, Assistant Chief.

EASTERN STATES—Preliminary examinations of forest land, in cooperation with private owners—J. M. Briscoe and E. D. Clark, Washington, D. C.

CONNECTICUT—Examination of forest conditions and study of second-growth hardwood stands, in cooperation with the State Forester—E. H. Frothingham, New Haven.

ILLINOIS—Preparation of report on forest conditions, in cooperation with the State Laboratory of Natural History—R. C. Hall and O. D. Ingall, Washington, D. C.

NORTH CAROLINA—Examination of forest conditions and collection of yield-table data for second-growth stands in cooperation with North Carolina Geological and Economic Survey—J. S. Holmes, W. M. Moore, and A. W. Williamson, Washington, D. C.

NORTHEASTERN STATES—Study of red spruce in second-growth stands—L. S. Murphy, Washington, D. C.

SOUTHERN STATES—Study of Appalachian species, with special reference to yield of second growth stands—W. W. Ashe, Washington, D. C.

GENERAL—Study of the relation of forest taxation to forestry and to the future timber supply—Fred. R. Fairchild, New Haven, Conn.

Compilation of Federal and State forest and timber laws—J. S. Peyton, Washington, D. C.

SILVICS—RAPHAEL ZON, Chief (in the Field). S. T. DANA, Assistant Chief (in the Field). G. DE S. CANAVARRO, Acting Chief.

GENERAL—Basket Willow Study—G. N. Lamb, Washington, D. C.

Potential range of foreign species of value to the United States—Miss M. C. Gannett, Washington, D. C.

LIBRARY, Miss H. E. STOCKBRIDGE.



GRAZING.

A. F. POTTER, Associate Forester, in charge; L. F. KNEIPP, Assistant Forester; WILL C. BARNES, Inspector of Grazing.

Forage investigations; compilation of data—F. V. Coville, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; investigation of methods of range control and restoration of overgrazed ranges, James T. Jardine, Deputy Forest Supervisor, in the Field; Arthur T. Sampson, Plant Ecologist, Flagstaff, Ariz. (detailed to Bureau of Plant Industry under instructions of F. V. Coville, Botanist).

Forest investigations; range control studies—William A. Dayton, Plant Ecologist, Flagstaff, Ariz.; Charles E. Fleming, Plant Ecologist, Saguache, Colo.

Identification of grasses and plants—Dr. Edward L. Greene, Consulting Expert, Washington, D. C.

LANDS

JAMES B. ADAMS, Assistant Forester, in charge; O. C. MERRILL, Engineer.

OCCUPANCY—W. W. DYAR, in charge.

CLAIMS—J. I. PARKER, in charge.

PRODUCTS

WM. L. HALL, Assistant Forester, in charge, Madison, Wis.

ACCOUNTS—W. R. FUCHS, District Fiscal Agent, Madison, Wis.

LABORATORY—(In cooperation with the University of Wisconsin, Madison, Wis.) MCGARVEY CLINE, Director; H. S. BRISTOL, Assistant Director; HOWARD F. WEISS, Assistant Director.

ENGINEERING—ROLF THELEN, in charge.

MAINTENANCE—WM. H. KEMPFER, in charge.

CHEMISTRY—E. BATEMAN, in charge.

Experiments to determine the practicability of revising commercial specifications or turpentine—E. Bateman; assistants, A. W. Schorger and P. W. Webster.

Experimental study of methods of analyzing and grading commercial coal tar creosotes—E. Bateman; assistants, C. H. Teesdale and P. W. Webster.

PULP AND PAPER—E. SUTERMEISTER, in charge.

Methods of testing fibrous materials to ascertain their suitability for paper making—E. Sutermeister; assistants, J. H. Thickens, J. C. Lawrence, E. L. Leasman, and Frank Blaine.

TIMBER PHYSICS—H. D. TIEMANN, in Charge.

Preparation of microscopic slides and photomicrographs showing structure of woods—Miss Eloise Gerry.

Dead load bending tests—H. D. Tiemann.

Continuation of physical determinations of heat conductivity and specific heat—Frederick Dunlap.

TIMBER TESTS—J. A. NEWLIN, in charge.

Standard tests on maple, red oak, and ash—F. J. Hallauer; assistants, T. Lyons, R. C. Phipps, H. N. Brue, and C. J. Coyle.

Preparation of general report on timber tests—McGarvey Cline; assistant, A. L. Heim.

WOOD DISTILLATION—L. F. HAWLEY, in charge.

Refining and grading of wood turpentine—L. F. Hawley.

Methods of turpentine analysis—L. F. Hawley; assistant, E. Bateman.

Experiments in steam distillation of resinous wood—L. F. Hawley; assistant, R. C. Palmer.

Experiments in the destructive distillation of resinous wood—L. F. Hawley, assistant, R. C. Palmer.

WOOD PRESERVATION—F. M. BOND, in charge.

Preservation of cross-ties from decay in cooperation with the Chicago, Milwaukee and St. Paul Railroad—F. M. Bond.

Resistance of different woods to injection with preservatives—C. P. Winslow.

Preservation of timber used in the construction of silos, in cooperation with the University of Wisconsin—F. M. Bond.

The construction and experimental operation of a timber-treating plant in cooperation with the War Department, Picatinny Arsenal—E. W. Peters, Dover, N. J.

Fungicidal properties of coal-tar creosote fractions—C. H. Teesdale.

Comparative efficiency of various wood preservatives in cooperation with their manufacturers—L. Witt.

Durability tests on insulator pins in cooperation with the Camp Manufacturing Company—F. M. Bond.

PATHOLOGY (in cooperation with the Bureau of Plant Industry)—C. J. HUMPHREY, in charge.

Collection of wood-destroying fungi and data relative to a timber-disease survey of the United States—C. J. Humphrey.

Study of wood-destroying fungi in pure culture to determine the factors governing their growth and mode of dissemination—C. J. Humphrey.

WOOD UTILIZATION—H. S. SACKETT, in charge, Fisher Building, Chicago, Ill.

[The figures in the studies below indicate the number of the project.]—Study of the wood-using industries of Kentucky, in cooperation with the State Board of Agriculture, Forestry, and Immigration (3)—R. E. Simmons, Fisher Building, Chicago, Ill.

Preparation of a market report for Chicago, Ill. (8)—Franklin H. Smith, Fisher Building, Chicago, Ill.

Study of woods which may be used as substitutes for the southern junipers in the manufacture of lead pencils (14)—H. S. Sackett, Fisher Building, Chicago, Ill.

Study of the woods which may be used in the manufacture of bobbins and shuttles (16)—H. S. Sackett, Fisher Building, Chicago, Ill.

Study of the methods of hickory manufacture and utilization (21)—C. F. Hatch, Fisher Building, Chicago, Ill.; Assistants, Quincy Randles and J. C. Nellis.

Study of the suitability of short lengths of cypress for use in the manufacture of tobacco boxes and butter tubs (22)—R. E. Simmons, Fisher Building, Chicago, Ill.

Study of the suitability of incense cedar for use in the manufacture of cigar boxes (23)—Franklin H. Smith, Fisher Building, Chicago, Ill.

Study of the effect of freight rates on the disposition of low-grade lumber (24)—H. S. Sackett, Fisher Building, Chicago, Ill.

Study of the fiber box industry and its effect on the wooden box industry (25)—Franklin H. Smith, Fisher Building, Chicago, Ill.

Preparation of reports upon the uses of the principal commercial woods—Hu Maxwell, Fisher Building, Chicago, Ill.; W. L. Hall, Madison, Wis.

WASHINGTON OFFICE—O. T. SWAN, in charge.

DISTRICT 1

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota. Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester; F. A. SILCOX, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch).—W. M. AIKEN, Assistant to the Solicitor and Law Officer; HAROLD H. CLARKE, Assistant to the Solicitor and Assistant Law Officer.

ACCOUNTS—JOHN A. URBANOWICZ, District Fiscal Agent.

OPERATION—J. P. MARTIN, Assistant District Forester; E. W. KRAMER, District Engineer.

MAINTENANCE, R. J. MOORE.

SILVICULTURE—R. Y. STUART, Assistant District Forester; O. M. BUTLER, Assistant District Forester.

TIMBER SALES, Assistant District Foresters in Silviculture.

IDAHO—Reconnaissance, Cœur d'Alene National Forest—F. B. Brungate, Forest Agent, Wallace.

Reconnaissance, Kaniksu National Forest—M. H. Wolff, Coolin; assistants, Arthur F. Bishop, R. A. Hungerford, H. W. Horton, and J. B. Somers.

MONTANA—Reconnaissance, Deerlodge National Forest—J. S. Baird, Lumberman, Deerlodge; assistants, A. A. Saunders, R. T. Ferguson, R. P. Prichard, L. C. Stockdale, E. I. Terry, and Fred D. Davis.

Reconnaissance, Helena National Forest—J. S. Baird, Lumberman, Deerlodge; assistants, Frank Thompkins, H. Edwards, Carl Imes, W. F. Hale, and J. W. Gilson.

PLANTING, Assistant District Foresters in Silviculture.

SILVICS, Assistant District Foresters in Silviculture. S. T. DANA, on special detail.

Yield tables, lodgepole stands—C. N. Whitney, Anaconda, Mont.

Yield tables, white pine stands—F. I. Rockwell, Coolin, Idaho; assistants, A. O. Benson, Herman Kraueh, E. O. Buhler, O. M. Savore, and E. Mills.

COOPERATION, Bureau of Entomology.

Location of insect-infested timber and determination of methods of local control—Josef Brunner, Field Agent, Bureau of Entomology, Columbia Falls, Mont.

GRAZING—C. H. ADAMS, Assistant District Forester; W. S. PERRINE, Assistant District Forester.

LANDS—R. H. RUTLEDGE, Assistant District Forester; JOHN D. JONES, Assistant.

Classification Swan River valley agricultural lands—H. H. Chapman, Kalispell, Mont.; Assistant, Abbott B. Silva.

PRODUCTS

WOOD PRESERVATION—Construction and experimental operation of a wood-preserving plant for treating ties, mine timbers, and telephone poles, in cooperation with the Anaconda Copper Mining Company—P. R. Hicks, Butte, Mont.

Investigation of possibilities of treating fence posts and telephone poles, in connection with sales of dead timber, Helena National Forest—P. R. Hicks, Butte, Mont.

NATIONAL FORESTS

IDAHO

BEAVERHEAD—See Montana.

CLEARWATER—F. A. Fenn, Forest Supervisor, Kooskia (WU-N); Edw. C. Thenon, Deputy Forest Supervisor.

COEUR D'ALENE—W. G. Weigle, Forest Supervisor, Wallace (WU-Am); Roseoe Haines, Deputy Forest Supervisor; W. W. Morris and W. B. Willey, Forest Assistants; C. H. Gregory, Lumberman.

KANIKSU—See Washington.

NEZPERCE—Geo. V. Ring, Forest Supervisor, Grangeville (WU-Am); J. Arthur Brown, Deputy Forest Supervisor.

PEND OREILLE—J. E. Barton, Forest Supervisor, Sandpoint (WU-Am, N, W); Edw. G. Stahl, Deputy Forest Supervisor; F. A. Gaylord, Forest Assistant.

MICHIGAN

MICHIGAN-MARQUETTE—S. M. Higgins, Acting Forest Supervisor, Au Sable (WU-Am).

MINNESOTA

MINNESOTA—G. E. Marshall, Forest Supervisor, Cass Lake (WU-Am, GN); J. St. J. Benedict, Forest Assistant.

SUPERIOR—J. A. Fitzwater, Acting Forest Supervisor, Ely (WU-GN); James A. Howarth, jr., Forest Assistant.

MONTANA

ABSAROKA—V. Gifford Lantry, Forest Supervisor, Contact, telegraph address Livingston (WU-Am, N); N. C. Brown, Deputy Forest Supervisor; John M. Bedford, Forest Assistant.

BEARTOOTH—J. F. Preston, Acting Forest Supervisor, Red Lodge (WU-Am, N); Donald R. Brenster, Forest Assistant.

BEAVERHEAD—C. K. Wyman, Forest Supervisor, Dillon (WU-Am); Scott Leavitt, Deputy Forest Supervisor; Chas. R. Clark, Forest Assistant.

BITTERROOT—W. W. White, Forest Supervisor, Missoula (WU-Am, N); M. N. Stickney, Deputy Forest Supervisor.

BLACKFEET—F. N. Haines, Forest Supervisor, Kalispell (WU-Am, GN); R. P. McLaughlin, Deputy Forest Supervisor; J. A. Larsen, Forest Assistant.

CABINET—Ralph H. Bushnell, Forest Supervisor, Thompson Falls (WU-Am, N); Claude W. Griffin, Deputy Forest Supervisor.

CUSTER—Glen A. Smith, Forest Supervisor, Ashland (WU via Crow Agency-Am, N via Forsyth); Edgar F. White, Forest Assistant.

DEERLODGE—D. T. Mason, Forest Supervisor, Anaconda (P-Am, N); Harry C. Schick, Deputy Forest Supervisor; F. S. Patton, E. I. Terry, C. N. Whitney, and A. A. Saunders, Forest Assistants; J. S. Baird, Lumberman.

FLATHEAD—Page S. Bunker, Forest Supervisor, Kalispell (WU-Am, GN); John H. Clack, Deputy Forest Supervisor; J. L. Cobbs, Forest Assistant.

GALLATIN—D. T. Conkling, Forest Supervisor, Bozeman (WU-Am, N); W. B. Piper, Forest Examiner.

HELENA—Dwight Bushnell, Forest Supervisor, Helena (WU-Am, N); J. D. Warner, Deputy Forest Supervisor; Donald Bruce, Forest Assistant.

JEFFERSON—J. B. Seely, Forest Supervisor, Great Falls (WU-Am, N); Wellman Holbrook, Deputy Forest Supervisor; Henry H. Farquhar, Forest Assistant.

KOOTENAI—Dorr Skeels, Forest Supervisor, Libby (WU-Am, GN); Rutledge Parker, Deputy Forest Supervisor; Webster H. Ransom, Forest Assistant.

LEWIS AND CLARK—W. H. Daus, Forest Supervisor, Chouteau (WU via Collins-Am, GN via Collins).

LOLO—Elers Koch, Forest Supervisor, Missoula (WU, P-Am, N); Thos. C. Spaulding, Deputy Forest Supervisor; E. C. Clifford, Forest Assistant.

MADISON—Clifton W. Hudson, Forest Supervisor, Sheridan (WU-Am, N); Joseph W. Butler, Forest Assistant.

MISSOULA—D. G. Kinney, Forest Supervisor, Missoula (WU, P-Am, N); Karl W. Woodward, Deputy Forest Supervisor; Richard C. Eggleston, Forest Assistant.

SIoux—See South Dakota.

NORTH DAKOTA

DAKOTA—C. A. Ballinger, Forest Supervisor, Camp Crook, S. Dak. (WU via Bellefourche-Am via Bellefourche); H. E. Fegley, Forest Assistant.

SOUTH DAKOTA

SIoux—C. A. Ballinger, Forest Supervisor, Camp Crook (WU via Bellefourche—Am via Bellefourche); H. E. Fegley, Forest Assistant.

WASHINGTON

KANIKSU—W. N. Millar, Forest Supervisor, Coolin, Idaho (WU—Am, GN); Elmer R. Brunke, Deputy Forest Supervisor; Wm. C. Latane, R. C. Jones, and F. I. Rockwell, Forest Assistants.

DISTRICT 2

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas. Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester; P. G. REDINGTON, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch). GEO. E. TROWBRIDGE, Assistant to the Solicitor and Law Officer; J. F. LAWSON, Assistant to the Solicitor and Assistant Law Officer.

ACCOUNTS—H. I. LOVING, District Fiscal Agent.

OPERATION—FRED W. MORRELL, Assistant District Forester; NILE HUGHEL, District Engineer.

MAINTENANCE, F. B. AGEE.

SILVICULTURE—S. L. MOORE, Assistant District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

PLANTING, ———.

SILVICS, C. G. BATES.

COLORADO—Fremont Experiment Station, meteorological, planting, and other experiments—William D. Hayes, in charge, Manitou.

Establishment of stream-flow experiment in cooperation with Weather Bureau, Rio Grande National Forest—C. R. Tillotson and B. F. Kadel (latter representative of Weather Bureau), Wagon Wheel Gap.

Examination of experimental sample plots, San Isabel and Uncompahgre National Forests—C. G. Bates, address, Denver.

GRAZING—J. W. NELSON, Assistant District Forester; E. N. KAVANAGH, Assistant District Forester.

LANDS—C. J. STAHL, Assistant District Forester.

PRODUCTS—H. S. BETTS, Assistant District Forester.

TIMBER TESTS—Timber-testing laboratory in cooperation with the University of Colorado, Boulder, Colo.—N. de W. Betts, in charge.

Tests on round timbers of various Rocky Mountain species, including mine timbers, in cooperation with the Northern Coal and Coke Company and various National Forests.

Tests on western red cedar, lodgepole pine, and Engelmann spruce telephone poles, in cooperation with the Central Colorado Power Company and the Colorado Telephone Company.

WOOD PRESERVATION—Preservative treatment of timber used in irrigation work, in cooperation with the Denver Reservoir Irrigation Company—H. S. Betts, Denver, Colo.

Study of wood-preservation methods for permanent improvement work on National Forests in District 2—H. S. Betts and H. M. Mason, jr., Denver, Colo.

WOOD UTILIZATION—Study of wood-using industries in District 2—H. S. Betts and H. M. Mason, jr., Denver, Colo.

NATIONAL FORESTS

COLORADO

ARAPAHO—Arthur M. Cook, Forest Supervisor, Fraser (WU-Ad); Lee E. Cooper, Deputy Forest Supervisor.

BATTLEMENT—John W. Lowell, jr., Acting Forest Supervisor, Collbran (WU-WF, G).

COCHETOPA—Eugene Williams, Forest Supervisor, Saguache (WU-G).

GUNNISON—Wm. R. Kreutzer, Forest Supervisor, Gunnison (WU-WF, G); E. C. Berky, Deputy Forest Supervisor; Stanley B. Hall, Forest Assistant.

HAYDEN—See Wyoming.

HOLY CROSS—Harry H. French, Forest Supervisor, Glenwood Springs (WU-WF, G); Albert H. Miller, Deputy Forest Supervisor.

LA SAL—See Utah, District 4.

LEADVILLE—Theodore Shoemaker, Forest Supervisor, Leadville (WU, P-WF, G); R. E. Clark, Deputy Forest Supervisor; J. E. Martin, Forest Assistant.

COLORADO—H. N. Wheeler, Forest Supervisor, Fort Collins (WU-WF); H. B. Holroyd, Deputy Forest Supervisor.

MONTEZUMA—Ress Phillips, Forest Supervisor, Mancos (WU-G); R. W. Allen, Deputy Forest Supervisor.

PIKE—C. M. Granger, Acting Forest Supervisor, Denver (WU, P-Ad, Am, G, US, WF); W. I. Hutchinson, Forest Assistant; Monument Nursery—W. Schrader, Forest Planting Assistant, Monument.

RIO GRANDE—W. J. Morrill, Forest Supervisor, Monte Vista (WU-G); Walter F. Bowers, Deputy Forest Supervisor; Jay Higgins, Forest Assistant.

ROUTT—J. H. Ratliff, Forest Supervisor, Steamboat Springs (WU-Ad); P. J. Paxton, Forest Assistant.

SAN ISABEL—J. N. Langworthy, Forest Supervisor, Westcliffe (WU-G); M. B. Willey, Deputy Forest Supervisor.

SAN JUAN, EAST—A. L. Sweitzer, Forest Supervisor, Pagosa Springs (WU-G); Peter Keplinger, Forest Assistant.

SAN JUAN, WEST—Ernest W. Shaw, Forest Supervisor, Durango (WU-G).

SOPRIS—John McLaren, Forest Supervisor, Aspen (WU-WF, G); Thos. C. Hatton, Deputy Forest Supervisor.

UNCOMPAHGRE—Howard S. Bushnell, Forest Supervisor, Delta (WU-G); J. H. Ramskill, Forest Assistant.

WHITE RIVER—James A. Blair, Forest Supervisor, Meeker (WU-WF, G).

KANSAS

KANSAS—B. R. H. d'Allemand, Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery.

NEBRASKA

NEBRASKA—H. R. Shockley, Acting Forest Supervisor, Halsey (WU-Ad); Halsey Nursery—L. Besley and C. R. Bechtle, Forest Planting Assistants.

SOUTH DAKOTA

BLACK HILLS, NORTH—Paul D. Kelleter, Forest Supervisor, Deadwood (WU-Ad, Am); John Murdoch, jr., and G. A. Duthie, Forest Assistants.

BLACK HILLS, SOUTH—R. P. Imes, Forest Supervisor, Custer (WU-Ad).

WYOMING

BIGHORN—W. E. Jackson, Forest Supervisor, Sheridan (WU-Ad); Herbert Graff, Deputy Forest Supervisor.

WYOMING

BONNEVILLE, GREEN RIVER—Foster Steele, Acting Forest Supervisor, Pinedale (WU-Am).

BONNEVILLE, SWEETWATER—C. G. Poole, Forest Supervisor, Lander (WU-Am).

BONNEVILLE, WIND RIVER—H. Earl French, Forest Supervisor, Dubois (WU-Am).

MEDICINE BOW—P. S. Lovejoy, Forest Supervisor, Laramie (WU, P-Am); John E. Stephens, Deputy Forest Supervisor; R. A. Stretch and G. W. Hendry, Forest Assistants.

HAYDEN—James Blackhall, Forest Supervisor, Encampment (WU, P-Am).

SHOSHONE—H. W. Thurston, Forest Supervisor, Cody (WU-Ad).

SUNDANCE—Louis Knowles, Forest Supervisor, Sundance (WU-Ad, Am).

DISTRICT 3

Arizona, Arkansas, Florida, New Mexico, and Oklahoma. Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester; E. H. CLAPP, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch). BLAKE FRANKLIN, Assistant to the Solicitor and Law Officer; R. F. FEAGANS, Assistant to the Solicitor and Assistant Law Officer.

ACCOUNTS—J. J. DUFFY, District Fiscal Agent.

OPERATION—A. O. WAHA, Assistant District Forester; A. S. PECK, Assistant District Forester.

MAINTENANCE, W. B. BUNTON.

SILVICULTURE—T. S. WOOLSEY, Jr., Assistant District Forester; A. B. RECKNAGEL, Assistant District Forester.

ARIZONA—Reconnaissance of the Apache National Forest—J. H. Allison, in charge temporarily; assistants, G. H. Collingwood, J. W. Hough, Aldo Leopold, G. W. McKibbin, E. C. Shepard, Basil Wales, Springerville.

Reconnaissance of the Crook National Forest—T. B. Longwell, in charge; assistants, D. D. Harkness, A. E. Moss, J. W. Spencer, Dave Winbray, Safford.

ARKANSAS—Collection of data for volume and growth study of shortleaf pine—L. L. Janes, Hot Springs.

NEW MEXICO—Reconnaissance of the Gila National Forest—Barrington Moore, in charge; assistants, W. R. Allen, H. H. Conwell, H. DeForest, C. M. Howell, O. F. Swenson, Julian Weatherbee, E. Wohlenberg, Silver City.

Reconnaissance of the Pecos National Forest—H. G. Calkins, in charge; assistants, Harvey Blodgett, Harvey Ferguson, Fred Forbes, Carl Hamilton, H. L. Johnson, L. F. Lee, L. O. Miles, E. D. Rogers, R. T. Ross, T. F. Wells, Cowles.

SILVICS, COCONINO FOREST EXPERIMENT STATION—G. A. PEARSON, in charge; assistants, H. D. BURRALL, Flagstaff, Ariz., and H. H. GREENAMYRE, Springerville, Ariz.

Study of woodland type—W. B. Mulford and F. J. Phillips, Albuquerque N. Mex.

GRAZING—J. K. CAMPBELL, Assistant District Forester; JOHN KERR, Assistant District Forester.

LANDS—FRANK C. W. POOLER, Assistant District Forester, in charge.

NATIONAL FORESTS

ARIZONA

APACHE—John D. Guthrie, Forest Supervisor, Springerville (WU, P-WF); Aldo Leopold, Forest Assistant.

CHIRICAHUA—A. H. Zachau, Forest Supervisor, Portal (WU, P-WF).

COCONINO—Willard M. Drake, Acting Forest Supervisor, Flagstaff (WU, P-WF); J. C. Kireher, Forest Assistant.

CORONADO—Robert J. Selkirk, Forest Supervisor, Tucson (WU, P-WF); Robert L. Rogers, Deputy Forest Supervisor.

CROOK—T. T. Swift, Forest Supervisor, Safford (WU-WF).

GARCES—Robert J. Selkirk, Forest Supervisor, Tucson (WU, P-WF); Robert L. Rogers, Deputy Forest Supervisor.

PRESCOTT—C. H. Hinderer, Forest Supervisor, Prescott (WU-WF); J. C. McNelty, Deputy Forest Supervisor.

SITGREAVES—A. J. MacKay, Forest Supervisor, Snowflake (WU, P-WF); Chas. H. Jennings, Deputy Forest Supervisor.

TONTO—R. G. Willson, Forest Supervisor, Roosevelt (WU-WF).

TUSAYAN—Stanton G. Smith, Forest Supervisor, Williams (WU, P-WF); E. H. Crabb, Deputy Forest Supervisor.

ZUNI—See New Mexico.

ARKANSAS

ARKANSAS—D. W. Adams, Forest Supervisor, Hot Springs (WU-WF); S. A. Chappell, Deputy Forest Supervisor; C. J. Heller, Forest Assistant.

OZARK—Francis Kiefer, Forest Supervisor, Harrison (WU-WF); Ralph C. Huey, Deputy Forest Supervisor.

FLORIDA

CHOCTAWHATCHEE—OCALA—I. F. Eldredge, Forest Supervisor, De Funiak Springs; W. F. Hill, Deputy Forest Supervisor.

NEW MEXICO

ALAMO—C. C. Hall, Forest Supervisor, Alamogordo (WU, P-WF); R. F. Balthis, Deputy Forest Supervisor.

CARSON—Ross McMillan, Forest Supervisor, Antonito, Colo. (WU-G); Harry C. Hall, Deputy Forest Supervisor; Frederiek R. Starr, Forest Assistant.

CHIRICAHUA—See Arizona.

DATIL—W. H. Goddard, Forest Supervisor, Magdalena (WU, P-WF).

GILA—W. H. B. Kent, Forest Supervisor, Silver City (WU-WF); Barrington Moore, Forest Assistant; Fort Bayard Nursery—H. C. Turner, Forest Planting Assistant.

JEMEZ—Frank E. Andrews, Forest Supervisor, Santa Fe (WU, P-WF); B. M. Thomas, Deputy Forest Supervisor.

LINCOLN—J. A. Kinney, Forest Supervisor, Capitan (WU, P-WF).

MANZANO—W. R. Mattoon, Forest Supervisor, Albuquerque (WU, P-WF); James F. Mullen, Deputy Forest Supervisor.

PECOS—Thos. R. Stewart, Forest Supervisor, Santa Fe (WU, P-WF); Hugh G. Calkins, Deputy Forest Supervisor; Las Gallinas Nursery—A. Hedricks, Forest Planting Assistant.

ZUNI—A. D. Read, Forest Supervisor, Gallup (WU, P-WF); Frederie Winn, Deputy Forest Supervisor.

OKLAHOMA

WICHITA—Frank Rush, Game Warden, in Charge, Cache (WU-WF).

DISTRICT 4

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Forest Service Building, Ogden, Utah.

E. A. SHERMAN, District Forester; FRANKLIN W. REED, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch). W. C. HENDERSON, Assistant to the Solicitor and Law Officer; A. W. JENSEN, Assistant to the Solicitor and Assistant Law Officer.

ACCOUNTS—Q. R. CRAFT, District Fiscal Agent.

OPERATION—A. C. MCCAIN, Assistant District Forester; A. T. MITCHELSON, District Engineer.

MAINTENANCE, FELIX T. MOORE.

SILVICULTURE—L. L. WHITE, Assistant District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

ARIZONA—Reconnaissance of Kaibab National Forest, D. M. Lang, in charge; assistants, Nils B. Eckbo, Sidney S. Stewart, Reese W. Taylor, John E. Ingram, and R. Rosenbluth.

IDAHO—Reconnaissance Salmon National Forest—C. P. Wilber.

Reconnaissance of Targhee National Forest—C. E. Dunston.

Preparation of map and reconnaissance report of timber on Sawtooth National Forest—C. P. Wilber, Ogden, Utah.

PLANTING, J. M. FETHEROLF.

SILVICS, E. R. HODSON.

Collection of data for volume and yield growth study of western yellow pine, Weiser National Forest—E. R. Hodson.

GRAZING—HOMER E. FENN, Assistant District Forester; A. C. MCCAIN, Assistant District Forester; G. G. BENTZ, Assistant District Forester.

GRAZING RECONNAISSANCE—A. E. ALDONS, Plant Ecologist, Cache National Forest, Logan, Utah.

LANDS—T. C. HOYT, Assistant District Forester, in Charge.

SUPPLY DEPOT—A. M. SMITH, Property Clerk.

PROPERTY AUDIT—J. G. FALCK, Property Auditor; H. B. CRAMER, Chief of Records.

NATIONAL FORESTS

ARIZONA

DIXIE—See Utah.

KAIBAB—John H. Clark, Forest Supervisor, Kanab, Utah (WU-WF); Daniel K. Judd, Deputy Forest Supervisor.

IDAHO

BOISE—E. Grandjean, Forest Supervisor, Boise (WU-Am); M. S. Benedict, Deputy Forest Supervisor.

CACHE—See Utah.

CARIBOU—N. E. Snell, Forest Supervisor, Idaho Falls (WU-Am); L. J. Phelan, Deputy Forest Supervisor; James H. Johnson, Grazing Assistant.

CHALLIS—David Laing, Forest Supervisor, Challis (WU-Am).

IDAHO—Henry A. Bergh, Forest Supervisor, McCall (WU-P).

LEMHI—C. I. Huddle, Forest Supervisor, Mackay (WU-Am).

MINIDOKA—Wm. McCoy, Forest Supervisor, Oakley (WU-Am).

PALISADE—Dan S. Pack, Forest Supervisor, St. Anthony (WU-Am); Ulrich C. Pogge, Deputy Forest Supervisor; Charles A. Bean, Deputy Forest Supervisor.

PAYETTE—Guy B. Mains, Forest Supervisor, Emmett (WU-Am); Frank J. Ryder, Deputy Forest Supervisor.

POCATELLO—J. F. Bruins, Acting Forest Supervisor, Pocatello (WU-Am); A. L. Brower, Forest Assistant; Pocatello Nursery—P. T. Wrensted, Forest Ranger.

SALMON—James M. Ryan, Forest Supervisor, Salmon (WU-Am); John A. Pearson, Deputy Forest Supervisor; F. T. McLean and C. P. Wilber, Forest Assistants.

SAWTOOTH—C. N. Woods, Forest Supervisor, Hailey (WU-Am); H. G. McPheters, Deputy Forest Supervisor.

TARGHEE—David Barnett, Forest Supervisor, St. Anthony (WU-Am); Chester B. Morse, Deputy Forest Supervisor.

WEISER—J. B. Lafferty, Forest Supervisor, Weiser (WU-Am); W. M. Campbell, Deputy Forest Supervisor; A. E. Oman, Forest Assistant.

NEVADA

HUMBOLDT—C. Sydney Treinewan, Forest Supervisor, Elko (WU-WF); W. W. Blakeslee, Deputy Forest Supervisor.

MOAPA—Thomas J. Collins, Acting Forest Supervisor, Las Vegas (WU-WF).

NEVADA—R. F. Mathias, Forest Supervisor, Ely (WU-WF); Rudolph Dieffenbach, Forest Assistant.

TOIYABE—James L. Pelton, Acting Forest Supervisor, Austin (WU, P-WF).

UTAH

ASHLEY—W. M. Anderson, Forest Supervisor, Vernal (WU-WF).

CACHE—Clinton G. Smith, Forest Supervisor, Logan (WU-Am); J. E. Rothery, Deputy Forest Supervisor.

DIXIE—John Raphael, Forest Supervisor, St. George (WU-WF).

FILLMORE—Wm. Hurst, Forest Supervisor, Beaver (WU-WF); George C. Thompson, Deputy Forest Supervisor.

FISHLAKE—Carl B. Arentson, Acting Forest Supervisor, Salina (WU-WF); Oluf G. Nielson, Deputy Forest Supervisor.

LA SAL—Ed. Taylor, Acting Forest Supervisor, Moab (WU-WF).

MANTI—C. L. Smith, Forest Supervisor, Ephraim (WU-WF); Ernest Winkler, Deputy Forest Supervisor; Parley Christiansen, Grazing Assistant.

MINIDOKA—See Idaho.

NEBO—H. F. Studley, Acting Forest Supervisor, Nephi (WU-WF).

POCATELLO—See Idaho.

POWELL—Geo. H. Barney, Forest Supervisor, Escalante (WU-WF).

SEVIER—O. C. Snow, Forest Supervisor, Panguitch (WU-WF).

UINTA—W. I. Pack, Forest Supervisor, Provo (WU-WF); W. Jones Bowen, Grazing Assistant.

WASATCH—E. H. Clarke, Forest Supervisor, Salt Lake City (WU, P-Am, WF); Wasatch Nursery—N. J. Fetherolf, Forest Planting Assistant.

WYOMING

ASHLEY—See Utah.

CARIBOU—See Idaho.

TARGHEE—See Idaho.

TETON—R. E. Miller, Forest Supervisor, Jackson (WU-Am).

WYOMING—James E. Jewell, Forest Supervisor, Afton (WU-Am); Glidden J. Barstow, Grazing Assistant.

DISTRICT 5

California and southwestern Nevada. Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester; COERT DUBOIS, Associate District Forester.

LAW—Office of the Solicitor (Forest Service Branch); H. P. DECHANT, Assistant to the Solicitor and Law Officer.

ACCOUNTS—F. C. THOMPSON, District Fiscal Agent.

OPERATION—ROY HEADLEY, Assistant District Forester.

MAINTENANCE, M. R. Tillotson.

SILVICULTURE—T. D. WOODBURY, Assistant District Forester.

TIMBER SALES, Assistant District Forester in Silviculture.

A study of the yield of eucalyptus in California in cooperation with the State—L. Margolin; assistant, J. H. Johnston, Los Angeles, Cal.

SILVICS, Assistant District Forester in Silviculture.

Study of tree diseases in the California National Forests—E. P. Meinecke, Consulting Pathologist, Hot Springs, Cal.

GRAZING—JOHN H. HATTON, Assistant District Forester; M. B. ELLIOTT, Assistant District Forester.

LANDS—L. A. BARRETT, Assistant District Forester, in charge.

PRODUCTS—C. S. SMITH, Assistant District Forester.

WOOD PRESERVATION—Experiments to determine the best methods of seasoning *Eucalyptus globulus* poles, logs, and lumber, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, the Mount Tamalpais Cemetery Association, the Parkside Realty Company, and the Pioneer Wood Company; and *Eucalyptus viminalis* logs, in cooperation with the University of California—C. Stowell Smith, San Francisco, Cal.

Study of conditions found in the mines of California, with a view to recommending cooperation in the preservative treatment of mine timbers—C. Stowell Smith, San Francisco, Cal.

Design of treating plant and seasoning yard for telephone poles for the Pacific Telephone and Telegraph Company—C. Stowell Smith, San Francisco, Cal.

Experiments to determine the relative resistance to marine wood borers of different species of untreated timber and of Douglas fir treated by various preservatives and coatings—A. K. Armstrong, San Francisco, Cal.

Study of conditions on and near the Plumas National Forest, to determine the feasibility of erecting a portable treating plant—C. Stowell Smith.

NATIONAL FORESTS

CALIFORNIA

ANGELES—R. H. Charlton, Forest Supervisor, Los Angeles (WU, P-WF); Ernest B. Long, Deputy Forest Supervisor; J. M. Grant, Forest Expert, in charge of planting operations; Serope Y. Parnay, Forest Planting Assistant, San Bernardino.

CALIFORNIA—Allen H. Hodgson, Forest Supervisor, Willows (P-WF); N. B. Drew, Deputy Forest Supervisor.

CLEVELAND—H. A. E. Marshall, Forest Supervisor, San Diego (WU, P-WF); Percy L. Day, Deputy Forest Supervisor; F. L. Rickey, Planting Assistant.

ELDORADO—Evan W. Kelley, Acting Forest Supervisor, Placerville (WU-WF).

INYO—A. H. Hogue, Forest Supervisor, Bishop (WU-WF).

KERN———, Forest Supervisor, Bakersfield (WU-WF).

KLAMATH—W. B. Rider, Forest Supervisor, Yreka, (WU-WF); J. R. Hall, Deputy Forest Supervisor; Shirley W. Allen, Forest Assistant.

LASSEN—L. A. H. Kling, Forest Supervisor, Red Bluff (P-WF); J. C. La Plant, Deputy Forest Supervisor; Henry L. Boldenweck, Forest Agent.

MODOC—C. E. Rachford, Forest Supervisor, Alturas (P-WF); Vernon L. Bonner, Deputy Forest Supervisor; Belknap C. Goldsmith, Forest Assistant.

MONO—See Nevada.

MONTEREY—Raymond Tyler, Forest Supervisor, Salinas (WU-WF).

PLUMAS—D. N. Rogers, Forest Supervisor, Quincy (WU-WF); W. G. Durbin, Deputy Forest Supervisor; R. S. Maddox, Forest Assistant.

SANTA BARBARA—Willis M. Slosson, Forest Supervisor, Santa Barbara (P-WF); H. G. Merrill, Deputy Forest Supervisor.

SEQUOIA—Allan B. Patterson, Forest Supervisor, Hot Springs, Tulare County (WU via Portersville-WF); W. C. Burton, Deputy Forest Supervisor.

SHASTA—R. F. Hammatt, Forest Supervisor, Sisson (P-WF); Philip T. Harris, Deputy Forest Supervisor; John D. Coffman, Forest Assistant.

SIERRA—C. H. Shinn, Forest Supervisor, Northfork (WU via Fresno-WF); M. A. Benedict, Deputy Forest Supervisor; H. J. Tompkins, Forest Assistant.

STANISLAUS—R. W. Ayres, Forest Supervisor, Sonora (WU-WF); J. V. Wulff, Forest Assistant.

TAHOE—R. L. P. Bigelow, Forest Supervisor, Nevada City (WU-WF); M. B. Pratt, Deputy Forest Supervisor; J. Alfred Mitchell, Forest Assistant.

TRINITY—F. H. Hafley, Forest Supervisor, Weaverville (WU-WF); W. A. Huestis, Deputy Forest Supervisor; Ernest V. Jotter, Forest Assistant.

NEVADA

INYO—See California.

MONO—Wm. M. Maule, Forest Supervisor, Gardnerville (WU-WF).

TAHOE—See California.

DISTRICT 6

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

C. S. CHAPMAN, District Forester; GEO. H. CECIL, Associate District Forester.

LAW.—Office of the Solicitor (Forest Service Branch); W. F. STALEY, Assistant to the Solicitor and Law Officer; D. F. MCGOWAN, Assistant to the Solicitor and Assistant Law Officer.

ACCOUNTS—A. H. COUSINS, District Fiscal Agent.

OPERATION—C. H. FLORY, Assistant District Forester; W. E. HERRING, District Engineer.

MAINTENANCE, SHIRLEY BUCK.

SILVICULTURE—F. E. AMES, Assistant District Forester; C. S. JUDD, Assistant District Forester.

TIMBER SALES, Assistant District Foresters in Silviculture; F. B. KELLOGG, Forest Assistant.

OREGON—Examination of proposed sale areas on the Crater National Forest—D. L. McKay, Scaler, Medford.

Examination of proposed timber sales on the Whitman National Forest—W. T. Andrews, Lumberman, Sumpter.

WASHINGTON—Scaling on the Olympic National Forest—Edwin C. Erickson, Scaler, Olympia.

Examination of proposed sale areas on the Rainier National Forest—J. P. Hughes, Lumberman Orting.

PLANTING, J. F. KÜMMEL.

SILVICS, T. T. MUNGER.

GRAZING—H. K. O'BRIEN, Assistant District Forester; T. P. MACKENZIE, Assistant District Forester.

LANDS—C. J. BUCK, Assistant District Forester

PRODUCTS—J. B. KNAPP, Assistant District Forester.

TIMBER TESTS—Testing laboratory in cooperation with the University of Washington, Seattle, Wash.—O. P. M. Goss, in charge; assistant, C. W. Zimmerman.

WOOD PRESERVATION—Construction and installation of an open-tank treating plant in cooperation with the University of Washington Forest School—H. B. Oakleaf and O. P. M. Goss, Seattle, Wash.

Preparation of report on inspection of Northern Pacific test track in cooperation with District 1 and engineers of the Northern Pacific Railway Company—H. B. Oakleaf, Portland, Oreg.

WOOD UTILIZATION—Study of the market for and uses of forest products on the Olympic Peninsula, in the State of Washington—J. B. Knapp and John F. Sullivan, Portland, Oreg.

NATIONAL FORESTS

ALASKA

CHUGACH—W. A. Langille, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Lage Wernstedt, Forest Assistant.

TONGASS—W. A. Langille, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Lage Wernstedt, Forest Assistant.

CALIFORNIA

CRATER—See Oregon.

SISKIYOU—See Oregon.

OREGON

CASCADE—C. R. Seitz, Forest Supervisor, Eugene (WU, P-WF); J. R. Harvey, Deputy Forest Supervisor; E. B. Starr, Forest Assistant.

CRATER—M. L. Erickson, Forest Supervisor, Medford (WU, P-WF); S. S. Swenning, Deputy Forest Supervisor; H. D. Foster, Forest Assistant.

DESCHUTES—A. S. Ireland, Forest Supervisor, Prineville (PT & T-Am via Shaniko, WF via Shaniko); B. F. Johnson, Deputy Forest Supervisor.

FREMONT—Guy M. Ingram, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); G. D. Brown, Deputy Forest Supervisor.

MALHEUR—Cy. J. Bingham, Forest Supervisor, John Day (WU via Baker City-Am, WF via Baker City); D. B. Reynolds, Deputy Forest Supervisor.

OREGON—T. H. Sherrard, Forest Supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, Deputy Forest Supervisor; W. B. Osborne and Max Rothkugel, Forest Assistants.

SISKIYOU—R. L. Fromme, Forest Supervisor, Grants Pass (WU, P-WF); N. F. McDuff, Deputy Forest Supervisor; H. Haefner, Forest Assistant.

SIUSLAW—A. E. Cohoon, Forest Supervisor, Eugene (WU, P-WF); David E. Fitton, Deputy Forest Supervisor.

UMATILLA—Thos. E. Chidsey, Forest Supervisor, Heppner (WU-Am).

UMPQUA—S. C. Bartrum, Forest Supervisor, Roseburg (WU, P-WF); E. H. McDaniels, Forest Assistant.

WALLOWA—H. W. Harris, Forest Supervisor, Wallowa (WU-Am); S. A. Brown, Deputy Forest Supervisor; Charles Black, Grazing Assistant; E. O. Siecke, Forest Assistant.

WENAHUA—See Washington.

WHITMAN—Henry Ireland, Forest Supervisor, Sumpter (WU via Baker City-Am, WF via Baker City); M. L. Merritt and B. T. Harvey, Forest Assistants.

WASHINGTON

CHELAN—G. W. Milham, Forest Supervisor, Chelan (PT & T-Am, GN via Wenatchee); D. S. Rice, Deputy Forest Supervisor.

CHELAN (OKANOGAN)—H. M. Hale, Acting Forest Supervisor, Okanogan.

COLUMBIA—H. O. Stabler, Forest Supervisor, Portland, Oreg. (WU, P-Am, WF, N); Homer Ross, Deputy Forest Supervisor; A. R. Wilcox, Forest Assistant.

COLVILLE—C. C. Reid, Forest Supervisor, Republic (WU, P-Am, GN); F. W. Cleator, Deputy Forest Supervisor.

OLYMPIC—R. E. Benedict, Forest Supervisor, Olympia (WU-Am, GN, N); A. A. Parker, Deputy Forest Supervisor.

RAINIER—G. F. Allen, Forest Supervisor, Orting (WU-Am, N); H. L. Hurd, Deputy Forest Supervisor; E. J. Fenby, Forest Assistant.

SNOQUALMIE—B. P. Kirkland, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. Clark, Deputy Forest Supervisor.

WASHINGTON—C. H. Park, Forest Supervisor, Bellingham (WU, P-Am, GN, N); F. H. Brundage, Deputy Forest Supervisor.

WENAHU—J. M. Schmitz, Forest Supervisor, Walla Walla (WU-Am, N).

WENATCHEE—A. H. Sylvester, Forest Supervisor, Leavenworth (WU-Am, GN); S. A. Blakenship, Deputy Forest Supervisor; C. P. Willis, Forest Assistant.

SERVICE CHANGES IN JUNE

APPOINTED

DENDROLOGY—H. P. Brown, Expert.

SILVICULTURE—Silvics: A. H. Graves, Expert.

GRAZING—Charles E. Fleming, Plant Ecologist; William A. Dayton, Plant Ecologist.

PRODUCTS—Laboratory: John H. Thickens, Expert; Emil L. Leasman, Expert; Eloise Gerry, Expert; James C. Lawrence, Agent; Robert C. Palmer, Agent; Frank J. Hallauer, Engineer in Timber Tests; Thomas R. C. Wilson, Engineer in Timber Tests; James Coyle, Laboratory Assistant in Timber Tests.

DISTRICT 1—Operation: Forest Guards—George E. McKinsey, Absaroka National Forest; J. K. Dwinelle, R. T. Guthrie, Frank J. Mosher, and H. J. Smith, Beartooth National Forest; Charles E. Brackett, Don Francis, Frederick M. James, L. W. Kingsbury, and James Campbell Whitham, Beaverhead National Forest; Dayton Donica and William Fuller, Bitterroot National Forest; C. R. Bratton, J. F. Campbell, W. C. McCormick, and S. S. Craig, Blackfeet National Forest; J. F. Buchek, J. P. DeLano, J. B. Miller, and Murray E. Skillman, Cabinet National Forest; E. L. Badgley, William Ball, William M. Beebe, James E. Bowles, Samuel P. Bowles, Daniel P. Brady, Albert Cochran, Howard Cochran, W. D. Farrand, L. A. Fenn, J. F. Grubbs, Zan Jordan, Jesse Kitchen, C. J. Kress, Eugene Langdon, Jake Leitch, Burt Leonard, Arved Lind, Louis Lisne, N. A. Litherland, J. W. Long, Bert Mackey, A. H. Moore, Andy Paulsen, Arnold Pesh, G. W. Schattner, Beta Shaw, G. W. Shirk, C. J. Strite, Francis Twcedy, Claude Watson, Harry Wray, and William Zumwalt, Clearwater National Forest; F. W. Beier, jr., William C. Bessey, A. E. Best, James Danielson, Walter H. Ellis, Harvey Fearn, L. A. Hollingshead, C. M. Keyes, Otto Kottkey, D. H. Lewis, Frank Long, Young McBee, Charles Magee, Robert Newmeyer, Harry A. Powers, Daniel J. Redmond, T. F. Siefen, A. B. Sisson, John B. Taylor, and J. A. Whitaker, Coeur d'Alene National Forest; E. T. Culver, Charles Sheridan, and A. A. Whitman, Gallatin National Forest; A. F. Bishop, John A. Eamon, Fred Freymiller, Ira Edward Hand, Harold W. Horton, John B. Somers and Joe M. Taylor, Kaniksu National Forest; John Nesbit and Joseph Bigley, Lewis & Clark National Forest; Alex L. Berg, Thomas Edwards, L. H. Foote, Arthur Gooley, Edward Sell, William F. Simons, and William D. Vealey, Lolo National Forest; Ray O. Bullerdick, Fred W. Findley, Paul F. Pierce, Hector E. Plummer, John L. Smith, and Andrew J. Watkins, Madison National Forest; Karl H. Alm and Andrew Zalinka, Minnesota National Forest; Fred Baracco, Milo Hoyt, James Hutchins, John Martz, William Mason, and M. H. Poe, Missoula National Forest; John T. Brown, William John Fahey, Henry Goodwin, Rogers McCarthy, J. H. McEvers, J. M. Munden, and William H. Vincent, Nez Perce National Forest;

Phil S. Armstrong, W. P. Brashear, C. W. Edmundson, John Hauerwas, Robert Lang, Fritz Lundstrum, M. H. McDuffie, James McGregor, J. E. Ryan, Thomas Simpson, and Jacob Stonestreet, Pend Oreille National Forest; Michael A. Collet, Albin Drakenberg and L. Vernon Slonaker, Superior National Forest. Assistant Forest Rangers—Walter R. Eyman and Henry J. Lampe, Absaroka National Forest; Frank A. Clark, Edward F. Foreman, William E. Lockhart, and Hosea T. Parker, Beartooth National Forest; Argyl L. Runbaugh, Beaverhead National Forest; George A. Bignell and Aquilla E. Clark, Blackfeet National Forest; Benjamin F. Saint, Cabinet National Forest; James D. Agner, Richard D. W. Friday, Raymond E. Maurer, Roy P. Monroe, and Frank B. Rogers, Clearwater National Forest; Samuel F. Millsap, Coeur d'Alene National Forest; James W. Stanton, Custer National Forest; Charles H. Edwards, Marion N. Jessen, Robert W. McKnight, John A. Morrow, and Harold Townsend, Deerlodge National Forest; Ellis B. Hoke, Frank McClung, and Wilhelm Toepel, Flathead National Forest; Melvin D. Mizner and George C. Stevenson, Helena National Forest; John C. Ketrige, Clarence N. Lawrence, Ashley J. Roche, Perry R. Rogers, and Russell V. Tanner, Kootenai National Forest; James E. Adams and Price Townsend, Lewis & Clark National Forest; Harry C. Hockett and Charles E. Vealey, Lolo National Forest; Homer C. Bosworth, and William B. Race, Madison National Forest; Howard R. Flint, William E. Henderson, and Hiram K. Wright, Minnesota National Forest; Clyde E. Green and Ralph H. Johnson, Michigan National Forest; Oral J. Berry, George Grigg, and Velters V. Logan, Missoula National Forest; Henry Huck and Richard E. Moses, Nezperce National Forest; John Keefe, jr., Ernest A. MaeKay, and William A. Sehell, Pend Oreille National Forest; Samuel J. Emswiler, Sioux National Forest; Leslie M. Brownell, Calvin A. Dahlgren, Walter L. Eisenach, John E. Mulligan, and Guy A. Terry, Superior National Forest. Forest Ranger—James W. Girard, Missoula National Forest. Forest Clerks—Lee Stratton, Beartooth National Forest; Royal G. Gick, Cabinet National Forest; Lester E. Palmer, Coeur d'Alene National Forest; Charles Fish, Gallatin National Forest; Clarence W. Miller, Kaniksu National Forest; Cuno R. Bryant, Kootenai National Forest; Frederick M. Cook, Pend Oreille National Forest. Clerk, Stenographer and Typewriter—Martha G. Barnett, Coeur d'Alene National Forest.

Lands: Stephen J. Humeston, Law Examiner.

District Office: Florence A. Johnson, Clerk, Stenographer and Typewriter; Ruth E. Wilson, Clerk, Stenographer and Typewriter; Charles F. Farmer, Draftsman.

DISTRICT 2—Operation: Assistant Forest Rangers—Solon D. Ackley, Gunnison National Forest; William L. Barker, jr., Gustaf W. Gustafson, and Chas. H. Yust, Holy Cross National Forest; Edw. H. Boughton, Steven A. Morris, Harry G. Waechter, and Alexander H. Liddiard, Shoshone National Forest; Raymond A. Bowen, Sopris National Forest; Jesse C. Brothers, White River National Forest; Edw. N. Brown and Ford J. DeHaven, Leadville National Forest; Ben Burch, Cheyenne National Forest; Albro K. Cowles, Harold A. Gould, and Newell E. Hibbard, Black Hills National Forest; Fred S. Cuenin, Cochetopa National Forest; John O. Eames, and Walter I. Mickey, Hayden National Forest; J. Ward Emerson, Theodore Faunce, and Leonard B. Sellers, Montezuma National Forest; Lawrence G. Haynes, Kansas

National Forest; Walter J. Hill, Bonneville (WR) National Forest; George A. Hutchins and Elmer F. Reed, Uncompahgre National Forest; John B. Lansing and Angus H. Taylor, Routt National Forest; Earnest E. McKee, Bonneville (GR) National Forest; Guy E. Tefft and James A. Blatherwick, San Juan (W) National Forest; Randolph A. Wheeler and Leslie E. Wright, Bighorn National Forest; Orvil Wilson, Rio Grande National Forest; John P. Murray, Hayden National Forest; Walter R. Clayton, San Juan (E) National Forest. Forest Guards—Joseph Augspurger, Cheyenne National Forest; Lee F. Buchholz, Arapaho National Forest; Y. Zana David, Bighorn National Forest; Ray Enyeart, Wallace J. Peterson, and Bruno Boehmann, Pike National Forest; Walter Himes, George B. Kleckner, Wade W. Warr, and William W. Warr, San Juan (E) National Forest; Chas. W. McSherry and Burns Will, Medicine Bow National Forest; Harry H. Owen, San Juan (W) National Forest; Harold S. Priestley, Montezuma National Forest; Roy Smith, Black Hills National Forest; Kay C. Clark, Bonneville (WR) National Forest; Truman O. Foley, Uncompahgre National Forest; Percy Newlin, Bonneville (SW) National Forest; Henry J. Sievers and Harry A. Wade, Sopris National Forest. Forest Clerks—Joseph W. Collette, San Isabel National Forest; Fred J. Thompson, Sopris National Forest.

DISTRICT 3—Operation: Assistant Forest Rangers—Charles L. Rak, Gila National Forest; Jennings D. McLeod and Thomas M. Jones, Ozark National Forest; John B. Hess, Ozark National Forest; Philip V. Dieckman, Carson National Forest; James H. Sizer, Apache National Forest; Jacob L. Pritchard, Apache National Forest; Benjamin F. Hooten and Marshall D. Lovelass, Datil National Forest; Joseph A. Bateman and Charles A. Plymale, Arkansas National Forest; Lorenzo B. Maxwell, Coconino National Forest. William DeAdder, Forest Guard Hunter, Coconino National Forest; D. C. Whittaker, Forest Guard Trapper, Datil National Forest; C. H. Shinn, Forest Guard Hunter and Trapper, Apache National Forest; Charlie H. Rogers, Forest Guard, Choctawhatchee National Forest; Alfred C. Everard, Forest Guard, Arkansas National Forest. Forest Clerks—Leo F. Wolcott, Apache National Forest; Frank E. Schneider, Prescott National Forest; William L. Bishop, Tonto National Forest; Bowden L. Kenworthy, Carson National Forest. L. Edna Patchin, Clerk, Typewriter, Alamo National Forest; Adda B. Wertz, Clerk, Stenographer and Typewriter, Arkansas National Forest.

Silviculture: Field Assistants—O. F. Swenson and E. Wohlenberg, H. DeForest, H. H. Conwell, Walter R. Allen, Gila National Forest; E. C. Shepard, H. Basil Wales, G. W. McKibbin, A. E. Moss, and G. H. Collingwood, Apache National Forest; J. W. Spencer and J. W. Hough, Crook National Forest; E. D. Rogers, R. T. Ross, L. O. Miles, Carl Hamilton, L. F. Lee, Fred Forbes, Harvey P. Blodgett, and Harvey Ferguson, Pecos National Forest; Raymond E. Hopson, W. L. Myers, District Office. Forest Assistants—Oliver F. Bishop, Herman Krauch, Charles D. Faunce, Max H. Foerster, George C. Morbeck, Ira T. Yarnall, William J. Duppert, Robert S. Wallace, Harold H. Greenamyre, Raymond E. Marsh, and Robert L. Deering, District Office (to be assigned to Forests later). Walter Mulford, Forest Expert District Office.

DISTRICT 4.—Operation: Forest Assistants—Lester E. Hitchcock, Dana Parkinson, and James B. Saxton, Kaibab National Forest; Samuel B. Locke and Harry B.

Maris, Salmon National Forest; Irwin W. Cook, Wm. N. Sparhawk, and William W. Twaddell, Targhee National Forest; Herman Work, Wyoming National Forest. Assistant Forest Rangers—Chas. DeMoisy, jr., and Seth B. Perry, Ashley National Forest; William H. Campbell, Henry K. Lewis, Edwin E. Stock, Boise National Forest; Hopkins Ira Rice, Cache National Forest; George W. Smith, Allen Williams, Challis National Forest; James W. Davis, Fred H. Betts, Idaho National Forest; Sterling L. Colton, Robert W. Strong, LaSal National Forest; Seth H. Ollerton, Nebo National Forest; Dr. B. Bailey, James A. Cahill, Bernard McNulty, Stanley D. Reed, Charles P. Thompson, William F. Thorne, Nevada National Forest; George S. Butler, James H. Jones, Edward A. Killpack, Lorin A. Loomis, Palisade National Forest; William L. Cleveland, Salmon National Forest; James E. Gurr, William M. Hurst, Sevier National Forest; Ira Latham, Wm. C. Shepard, Targhee National Forest; Lewis E. Hardy, Bartley J. Smithson, Toiyabe National Forest; Cyrus R. Hunter, Weiser National Forest; Dan Nielson, Wyoming National Forest. Field Assistant—O. L. Sponsler, Targhee National Forest. Forest Guards—William Copeland, Ruby C. Fields, Calvin T. Hardin, Frank Printz, Idaho National Forest; William H. George, J. L. Sanders, Palisade National Forest; C. H. Olsen, Roland Philips, Dan W. Woody, Payette National Forest; Frank Ayers, Monty E. Buster, Joseph Gautier, Salmon National Forest; John Sims, Sawtooth National Forest; Ralph J. Wilcock, Sevier National Forest; Walter Mellenthin, Targhee National Forest; Robert F. Kyle, Toiyabe National Forest; Clarence E. Favre, Henry H. Haines, Lawrence G. Wallace, Weiser National Forest; E. S. Edgerton, Arthur B. Glidden, Lee Smith, Paul L. Travis, Thomas Yeaman, Wyoming National Forest; Levon H. Kooyumkian, Targhee National Forest. Forest Clerks—James E. Scott, Ashley National Forest; Albert L. Moats, Challis National Forest; Charles D. Windes, Fillmore National Forest; Alfred P. Larson, Humboldt National Forest; Sidney C. Scribner, Idaho National Forest; Edgar B. King, Lemhi National Forest; Clement L. Lincoln, Palisade National Forest; Basil H. Felts, Payette National Forest; Edgar G. Hapke, Sawtooth National Forest; Harry L. Strembel, Sevier National Forest; Bruce L. Coulter, Teton National Forest; Irving A. Holt, Toiyabe National Forest; Alva C. Wycoff, Uinta National Forest; David A. West, Wasatch National Forest.

DISTRICT 5—Accounts: Edward Dillon, Clerk.

Operation: Assistant Forest Rangers—Charles W. Sutcliffe, Tahoe National Forest; Albert R. Ivey, Tahoe National Forest; Howard Hufford, Lassen National Forest; Jonathan M. Stark, Lassen National Forest; Henry W. Atcheson, Mono National Forest; Charles V. Brereton, California National Forest; Barry J. Hill, Klamath National Forest; Edmund D. Cimpher, California National Forest; Marvin M. Morgan, Klamath National Forest; Clarence L. Russell, California National Forest; Clarence Ruff, California National Forest; Hosea L. Clark, Sierra National Forest; William S. Everts, Monterey National Forest; John M. Farley, Sierra National Forest; Jesse C. Werly, Sierra National Forest; Miner R. Tillotson, District Office; David Parker Godwin, District Office; William B. Duncan, Sierra National Forest; Oliver E. Fowler, Stanislaus National Forest; Walter L. Parsons, Stanislaus National Forest; J. Raymond Stephens, Stanislaus National Forest; Earl H.

Thraves, Stanislaus National Forest; Edward V. Clark, Plumas National Forest; Dougald A. McMillan, Plumas National Forest; Edward L. Varney, Plumas National Forest; Thomas J. Collins, Sequoia National Forest; William J. Derby; Sequoia National Forest; Roy Oldfield, Sequoia National Forest; George W. Purdy, Sequoia National Forest; Edward William Fessel, Tahoe National Forest; Howard R. Higgins, Stanislaus National Forest; Roy L. Walkup, California National Forest; Robert C. Woodburn, Tahoe National Forest; George E. King, Tahoe National Forest; Charles W. Bates, California National Forest; Lloyd P. Allen, Sequoia National Forest; Parker Talbot, Sequoia National Forest; Vivian C. Noddin, Tahoe National Forest; Ben L. Johnson, Cleveland National Forest; Joseph C. Elliott, Stanislaus National Forest; Joseph H. Marshall, Klamath National Forest; William V. Bayley, Santa Barbara National Forest; Carl O. Brenner, Cleveland National Forest; John E. Moseley, Cleveland National Forest; Matthew J. Keegan, Cleveland National Forest. Forest Guards—William Marerum, Inyo National Forest; Earl Slinkard, Sequoia National Forest; Ralph E. Noddin, Sierra National Forest; Joseph W. Drouillard, Inyo National Forest; Morris F. Finley, Inyo National Forest; F. J. Dooley, Tahoe National Forest; Nathan E. Duncan, Sierra National Forest; William B. Duncan, Sierra National Forest; William J. Clark, Mono National Forest; Alvin T. Bodee, Inyo National Forest; John C. Blake, Sierra National Forest; Van B. Sleeper, California National Forest; Walter R. Atkeson, Inyo National Forest; George F. Bowden, Inyo National Forest; Levi C. Garlock, Sequoia National Forest; Lee West, Sierra National Forest; Edward Elmgren, Tahoe National Forest; Evan A. Joy, Tahoe National Forest; William F. E. Kelly, Tahoe National Forest; John B. Ripley, Tahoe National Forest; Edwin F. Smith, Tahoe National Forest; Henry A. Kloppenburg, Plumas National Forest; Walter L. Kelley, Plumas National Forest; Reuben P. Box, Trinity National Forest; Leon J. Warren, Mono National Forest; Tom W. Lee, Lassen National Forest; Howard W. Jones, Mono National Forest; O. M. Evans, Trinity National Forest; Lemuel M. Wright, Mono National Forest; William Elmer Newton, Sequoia National Forest; Walter L. Butts, Tahoe National Forest; Eugene E. Clark, Plumas National Forest; Allan J. Stanley, Plumas National Forest; Walter J. Zaehan, Angeles National Forest.

District Office: Gertrude M. Smith, Clerk (stenographer and typewriter); Frederick H. Smith, Clerk (stenographer and typewriter).

Silviculture: Henry L. Boldenweek, Forest Agent, Lassen National Forest (extended); John H. Johnston, Field Assistant, District Office; Melville Nottage, Forest Student, Trinity National Forest; H. W. Curry, Forest Student, Trinity National Forest.

DISTRICT 6—Operation: Assistant Forest Rangers—Walter W. Allison, Hugh V. Anderson, Hugh C. Austin, Robert Bennett, Carl E. Bell, Joe A. Brinkley, Mortimer J. Brown, J. R. Bruekart, Grover C. Bureh, Edmond B. Canby, Louis A. Carpenter, Frank L. Colvig, Revis Costelloe, John B. Curl, Clinton W. Combs, Edgar W. Donnelly, Albion W. Eastman, Lawrence Frizzell, William C. Fruit, Andrew J. Graden, Joe A. Graham, William H. Gibbons, Edward Everett Harpham, E. J. Hanzlik, Ellsworth S. Holderman, Pearl V. Ingram, Thomas C.

Johnson, Ira E. Jones, Frank L. Kingsley, M. Donald Knapp, Charles T. Lewis, Walter H. Leve, E. H. Lough, J. B. McIntire, Clifton G. McGuire, James McKenzie, Frank C. McMillan, Fred A. Maty, Robert J. O'Farrell, Oscar Pratt, John H. Russell, Fritz Sethe, John M. Schurr, James J. Simerville, Elmer G. Thomas, James J. Walsh, Harvey E. Vincent, Horace G. Whitney, Jason P. Williams, John H. Wittrock. Forest Guards—Henry Ahlvers, Daniel A. Barclay, Fred C. Bartholomew, J. D. Bolton, Fred C. Bradford, W. Albert Burns, Thomas L. Conger, Harry DeVoe, George Donaldson, J. A. Dotson, Alep Dowell, James Ewing, Henry W. Fisk, Floyd E. Gilchrist, C. F. Groom, Albert M. Hollenbeck, C. M. Irvine, Charles C. Jensen, Harry E. Johnson, Lloyd M. Judy, Edward S. Kerby, Thomas Kibbe, Henry E. Koontz, Charles M. Lane, C. W. Lewis, Gus McCullough, J. S. McLean, L. H. Maberry, Daniel N. McDonald, A. O. Masiker, John R. Muir, Albert L. Peachy, Oscar W. Pearce, Fred Porter, Clifford J. Rairdon, George L. Riley, William C. Rovers, Laurence Ryan, Henry Spradling, George E. Stevenson, Oscar Stoneberg, George E. Taylor, John A. Thompson, Allen Townes, Cleveland A. Walton, William O. Watson, Charles W. Weyburn, Henry A. Zevely, Clarence Anderson, D. L. J. Ball, H. H. Barbur, Cecil Bell, George J. Bohn, P. S. Bonney, William S. Cahill, J. B. Caruthers, Walter H. Caverhill, E. H. Chlaupek, G. M. Couzet, J. H. Cover, Eugene Crane, Floyd I. Dobson, J. Dockery, H. J. Eberly, Walter L. Elich, Harry R. Elliott, Earl L. Emery, Wiley E. Escher, E. J. Gibson, Harold Gill, Thomas W. Greve, Robert A. Gustafson, Jules Hagon, C. C. Haumitt, R. F. Hemingway, R. Hodson, G. W. Hutton, Herman M. Johnson, Otto Katy, William S. Kriebel, B. R. Kudlich, James Lowden, Walter F. McCarty, Norman Macauley, Hugh J. Macdonald, Samuel W. Meadows, jr., Daniel K. Millington, J. G. Morgan, E. J. Murnen, Adolph Nilsson, Sig Norman, H. D. Nuffer, Oscar J. Olson, J. E. Orr, Paul H. Pederson, J. F. Pernot, C. R. Pope, Henry Randles, Daniel Robinson, A. Rosenmond, Robert A. Sibenman, Grover C. Simmons, F. J. Starker, J. E. Stevenson, Donald B. Stewart, Clarence H. Sweet, Ray H. Thompson, Clarence Underwood, J. D. Van Dyke, R. W. Walker, R. Watson, L. S. Wellington, Wendell R. Whitney, J. F. Winniford, Newell L. Wright, Harry A. Young, jr. Forest Guards (Hunters)—Joseph K. Carper, Carl H. Parker, Thomas J. Weatherford. Forest Clerks—Harry M. White, Hattie M. Snow, Murril Johnson, Maud M. DaMotta, Emma J. Baker, Clerk (Stenographer and Typewriter).

Silviculture: Laura Forsberg, Clerk (Stenographer and Typewriter).

RESTORED TO THE ROLLS

SILVICULTURE—A. K. Chittenden, Forest Examiner. Silvics: A. W. Williamson, Forest Assistant.

DISTRICT 1—Operation: N. C. Brown, Deputy Forest Supervisor, Absaroka National Forest; T. Sheridan King, Assistant Forest Ranger, Beaverhead National Forest; Thomas E. Herrington, Deputy Forest Ranger; Coeur d'Alene National Forest; Ivan R. Myers, Assistant Forest Ranger, Flathead National Forest; Samuel A. Kittams, Assistant Forest Ranger, and Thomas G. Myers, Deputy Forest Ranger, Jefferson National Forest.

DISTRICT 2—Operation: Wilmer C. Bennett, Expert, Arapaho National Forest; Walter J. Morrill, Deputy Forest Supervisor, Rio Grande National Forest.

Silviculture: John E. Elliott, Lumberman, Routt National Forest; Peter Keping, Forest Assistant, San Juan (E) National Forest.

DISTRICT 3—Operation: William H. Pierce, Assistant Forest Ranger, Coconino National Forest.

DISTRICT 4—Operation: Julian E. Rothery, Deputy Forest Supervisor, Cache National Forest; Assistant Forest Rangers—Francis M. Cox, jr., Manti National Forest; Melvin R. McCoy, Sawtooth National Forest; Edwin T. Alvord, Targhee National Forest.

DISTRICT 6—Operation: Samuel S. Swenning, Deputy Forest Supervisor; Dennis Matthews, Assistant Forest Ranger; Wilson McBride, Forest Guard.

Silviculture: William T. Andrews, Lumberman; Frank B. Kellogg, Forest Assistant.

Grazing: Thos. P. MacKenzie, Assistant District Forester.

CHANGES IN DESIGNATION

LAW—In accordance with General Order No. 140 (see Service Notes) the following organization of the Forest Service Branch of the Office of the Solicitor is effective:

R. W. Williams, jr., Assistant to the Solicitor, In Charge; Thomas G. Shearman, Assistant to the Solicitor; Patrick D. Cronin, Assistant to the Solicitor; E. B. Quiggle, Assistant to the Solicitor.

District 1—W. M. Aiken, Assistant to the Solicitor and Law Officer; Harold H. Clarke, Assistant to the Solicitor and Assistant Law Officer.

District 2—Geo. E. Trowbridge, Assistant to the Solicitor and Law Officer; J. F. Lawson, Assistant to the Solicitor and Assistant Law Officer.

District 3—Blake Franklin, Assistant to the Solicitor and Law Officer; R. F. Feagans, Assistant to the Solicitor and Assistant Law Officer.

District 4—W. C. Henderson, Assistant to the Solicitor and Law Officer; A. W. Jensen, Assistant to the Solicitor and Assistant Law Officer.

District 5—H. P. Dechant, Assistant to the Solicitor and Law Officer.

District 6—W. F. Staley, Assistant to the Solicitor and Law Officer; D. F. McGowan, Assistant to the Solicitor and Assistant Law Officer.

DISTRICT 1—Operation: Earl B. Tanner from Forest Ranger to Scaler, Bitterroot National Forest; Murray E. Skillman from Forest Guard to Assistant Forest Ranger, Cabinet National Forest; Elmer A. Findell and Joe M. Taylor from Forest Guards to Assistant Forest Rangers, Missoula National Forest; Elmer D. Fletcher from Forest Expert to Deputy Forest Supervisor, Madison National Forest; Arthur C. Haines, Alexander T. Macnab, David F. McGill, and Ralph E. Sheriff from Forest Guards to Assistant Forest Rangers, Sioux National Forest.

Silviculture: D. T. Mason, Assistant District Forester to Forest Supervisor, Deerlodge National Forest; Karl W. Woodward, Forest Examiner to Deputy Forest Supervisor, Missoula National Forest.

DISTRICT 2—Operation: Henry L. Spencer from Forest Supervisor to Forest Ranger, Uncompahgre National Forest.

DISTRICT 3—Operation: Harry C. Viles from Deputy Forest Supervisor to Forest Ranger, Pecos National Forest.

DISTRICT 4—Operation: Richard P. Ines, Assistant District Forester to Forest Supervisor, Black Hills (South) National Forest; John Riis, from Forest Supervisor, La Sal National Forest, to Forest Ranger, Targhee National Forest; William M. McGhie, Deputy Forest Supervisor, Wasatch National Forest, to Forest Ranger, Humboldt National Forest.

DISTRICT 5—Accounts: Clarence Wiley, from Chief, Office of Accounts, to Clerk, District Office.

TRANSFERRED

DISTRICT 1—Law: Harold H. Clarke from Washington Office.

Operation: C. C. Hall from Deerlodge National Forest to District 3; Harold L. Redlingshafer from Blackfeet National Forest to Accounts.

Silviculture: O. M. Butler, Assistant District Forester from District 4; J. L. Cobbs, Forest Assistant, from reconnaissance Deerlodge National Forest to Flathead National Forest; H. Edwards and Frank Thompkins, Forest Assistants, from reconnaissance Deerlodge National Forest to reconnaissance Helena National Forest; W. B. Willey, Forest Assistant, from Coeur d'Alene National Forest to Clearwater National Forest; Elmer R. Brunke, Deputy Forest Supervisor, from Absaroka National Forest to Kaniksu National Forest.

DISTRICT 4—Operation: Richard P. Ines, Assistant District Forester to Forest Supervisor, Black Hills (South) National Forest; Henry A. Bergh, Forest Supervisor, from Idaho National Forest to La Sal National Forest; James E. Jewell, Forest Supervisor, from Dixie National Forest to Wyoming National Forest; John Raphael, Forest Supervisor, from Wyoming National Forest to Dixie National Forest; Julian Rothery, Deputy Forest Supervisor, Cache National Forest, to Idaho National Forest; Thomas J. Collins, Assistant Forest Ranger, from District 5 to Moapa National Forest; Peter A. Dixon, Assistant Forest Ranger, from Boise National Forest to District 6.

District Office: Eugenia G. Wilson, Clerk, Stenographer, and Typewriter, to District 2; Martin J. O'Toole, Tariff Clerk, to Division of Accounts and Disbursements, Washington, D. C.; (Property Audit) Pearle P. Cramer, Clerk (Typewriter) to Bureau of Plant Industry, Washington, D. C.

DISTRICT 5—Operation: R. F. Hammatt, Assistant District Forester, to Forest Supervisor, Shasta National Forest; W. B. Rider, Forest Supervisor, Shasta National Forest, to Forest Supervisor, Klamath National Forest; R. L. Fromme, Forest Supervisor, Klamath National Forest, to Forest Supervisor, Siskiyou National Forest, District 6.

DISTRICT 6—Operation: C. DeF. Bartrum, Assistant Forest Ranger, Umpqua National Forest, to Cascade National Forest; Elbert H. Darling, Superintendent of Telephone Construction, Olympic National Forest, to Oregon National Forest; William H. Gibbons, Assistant Forest Ranger, Snoqualmie National Forest, to Olympic National Forest; Peter A. Dixon, Assistant Forest Ranger, from District 4 to District 6, Umatilla National Forest.

Silviculture: Frank B. Kellogg, Forest Assistant, Rainier National Forest, to Silviculture.

REINSTATED

DISTRICT 5—Operation: Albert R. Wilder, Assistant Forest Ranger, Klamath National Forest; William M. Brown, Assistant Forest Ranger, Sierra National Forest.

Silviculture: Louis Margolin, Forest Examiner, District Office.

DISTRICT 6—Operation: Earl Abbott, Assistant Forest Ranger.

PROMOTED

DISTRICT 3—Operation: John W. Dorman, Deputy Forest Ranger to Assistant Forest Ranger, Coconino National Forest.

DISTRICT 5—Accounts: Frank C. Thompson, Clerk (District Office) to District Fiscal Agent, District Office.

DISTRICT 6—Operation: Clement C. Reid, Deputy Forest Supervisor to Forest Supervisor.

LEAVE WITHOUT PAY

PUBLICATION—Findley Burns, Chief.

DISTRICT 3—Lands: Florence E. Derbyshire, Clerk, District Office.

DISTRICT 5—Operation: William M. Brown, Assistant Forest Ranger, Sierra National Forest; Ernest Britten, Forest Supervisor, California National Forest; Daisy E. Walker, Map Colorist, District Office; Elmer F. Montgomery, Clerk, California National Forest; Bertha M. Brown, Clerk (Stenographer and Typewriter), District Office; Arthur L. Dahl, Clerk, District Office.

DISTRICT 6—Operation: Ralph Taylor, Assistant Forest Ranger; Clarence R. Davis, Assistant Forest Ranger.

Silviculture: Nellie M. Shears, Clerk (Stenographer and Typewriter).

FURLOUGHED

DISTRICT 1—Operation: Elmer D. Fletcher, Deputy Forest Supervisor, Madison National Forest.

DISTRICT 2—District Forester's Office: Ethel M. White, Clerk.

Operation: Chas. E. McMullin, Forest Ranger, Uncompahgre National Forest; Stella W. Munce, Draftsman, District Office; Pearl H. Stewart, Clerk, Uncompahgre National Forest.

Products: Alfred D. Wolff, jr., Engineer in Timber Tests.

DISTRICT 3—Operation: Elizabeth Roberts, Forest Clerk, Tonto National Forest; Cecil R. C. Reindorp, Forest Ranger, Gila National Forest; Lula T. Wools, Forest Clerk, Tonto National Forest.

DISTRICT 5—Operation: Dario Martinez, Assistant Forest Ranger, Santa Barbara National Forest.

DISTRICT 6—Operation: Ralph Taylor, Assistant Forest Ranger; Josephine A. Anderson, Clerk (Typewriter).

Silviculture: Frank G. Miller, Forest Assistant.

RESIGNED

DISTRICT 1—Operation: Frederick H. Chadney, Assistant Forest Ranger, and Joseph C. Eastland, Forest Ranger, Blackfeet National Forest; Burton F. Cressler, Assistant Forest Ranger, Clearwater National Forest; Clyde P. Fickes, Assistant Forest Ranger, Flathead National Forest; C. H. Clay, Assistant Forest Ranger, Kootenai National Forest; Richard P. Dean, Deputy Forest Ranger, Lewis & Clark National Forest.

Silviculture: G. B. McDonald, Forest Assistant, Helena National Forest; C. Jones, Forest Assistant, Kaniksu National Forest.

DISTRICT 2—Operation: Asa G. Arnold, Assistant Forest Ranger, San Isabel National Forest; William W. Borom, Assistant Forest Ranger, Battlement National Forest; Peter G. Peterson, Assistant Forest Ranger, Bonneville (SW.) National Forest; Andrew L. Stroup, Forest Supervisor, Rio Grande National Forest; Mabel E. Bartow, Clerk, San Isabel National Forest.

Aecounts: Grace M. Curtin, Clerk.

DISTRICT 3—Operation: Margaret McFadden, Forest Clerk, Prescott National Forest; Douglas Rodman, Forest Supervisor, Gila National Forest.

DISTRICT 4—Operation: Charles F. Patterson, Deputy Forest Supervisor, Nevada National Forest; Harry E. Matthews, Forest Ranger, Moapa National Forest; Samuel R. Pratt, Deputy Forest Ranger, Kaibab National Forest; Thomas B. Hunt and Charles West, Assistant Forest Rangers, Boise National Forest; Lawrence J. Adams, Assistant Forest Ranger, La Sal National Forest; Joseph N. Christiansen, Assistant Forest Ranger, Manti National Forest; Roland W. Brown, Assistant Forest Ranger, Palisade National Forest; Francis Moss, Assistant Forest Ranger, Palisade National Forest; Elmer E. Ballard, Assistant Forest Ranger, Sawtooth National Forest; John N. MacGuire, Forest Guard, Nevada National Forest; Seymour R. Dorius, Forest Clerk, Sevier National Forest.

Silviculture: William Winter, Forest Assistant, Powell National Forest.

Distriet Office (Supply Depot): Robert Ray Whittleton, Clerk.

DISTRICT 5.—Operation: Henry M. Davey, Forest Guard, Sierra National Forest; Charles P. Hardy, Deputy Forest Supervisor, Sierra National Forest; Frank X. Hendricks, Forest Guard, Inyo National Forest; William Ira Fine, Forest Guard, Angeles National Forest; Clarence A. King, Deputy Forest Ranger, Cleveland National Forest; Frank J. Brown, Forest Guard, Plumas National Forest; John E. Alverson, Deputy Forest Ranger, Monterey National Forest; Elizabeth M. Proutzman, Clerk (Stenographer and Typewriter), Distriet Office; Julius W. Hurlbut, Assistant Forest Ranger, Lassen National Forest; William C. F. Nespital, Construction Engineer, Distriet Office.

Silviculture: Nels O. Torstenson, Planting Assistant, Shasta National Forest.

DISTRICT 6.—Operation: Ranger H. Leese, Delbrit W. Myers, Carl E. Ward, Marion C. Burlingame, Robert A. Dean, Orrison L. Hillis, and Carrall L. Pearson, Assistant Forest Rangers; W. F. Grob, William R. Gardiner, Stanley F. Matthews, Forest Guards; John W. Lynch and Perry Young, Forest Guards (Hunters); Milton J. Anderson, Forest Supervisor; Esma A. Newell, Forest Clerk; Josephine R. Anderson, Clerk (Stenographer and Typewriter).

SEPARATED

DISTRICT 1.—Operation: Cyrus L. Bryant, Assistant Forest Ranger, Absaroka National Forest; Albert Reynolds, Forest Ranger, Blackfeet National Forest; Ben E. Bush, Theodore Fohl, Henry B. Pettibone, and W. C. Peterson, Forest Guards, Clearwater National Forest; Leon A. Gillette, Forest Guard, Helena National Forest; Thomas E. Kinney, Forest Guard (Sealer), Kaniksu National Forest; J. G. Gospill, Forest Guard, Kootenai National Forest; Louis J. Kennedy, Assistant Forest Ranger, Madison National Forest; Franeis A. Cummings, Forest Guard, Minnesota National Forest; Edward Kent, Forest Guard (Hunter), Missoula National Forest; David Lewis, Forest Guard, Nezperce National Forest; Daniel R. Litchiser, Assistant Forest Ranger, Pend Oreille National Forest; William B. Clarkson, Forest Guard, Sioux National Forest; A. A. Cummings, Forest Guard, Superior National Forest.

DISTRICT 5—Operation: C. E. Shillingford, Assistant Forest Ranger, Mono National Forest.

APPOINTMENT TERMINATED

DISTRICT 2—Operation: Henry R. Harrison, Surveyor, Battlement National Forest; Edna C. Hoeking, Forest Clerk, Montezuma National Forest; M. B. Pideoek, Forest Guard, White River National Forest; Frank A. Myers, Forest Guard, Medicine Bow National Forest.

DISTRICT 3—Operation: Justus W. Bush, Forest Guard, Apache National Forest; D. Livingstone Read, Forest Guard, Apache National Forest; Herbert Hodge, Assistant Forest Ranger, Wichita National Forest; John B. McIntyre, Forest Guard (Hunter), Gila National Forest; Charles Coe, Forest Guard, Lincoln National Forest; Jesse Johnstun, Forest Guard, Zuni National Forest; Jackson A. Fairfax, Forest Guard, Coconino National Forest; Joseph E. Durfee, Forest Guard, Prescott National Forest; Anton N. Vittrup, Forest Guard, Gila National Forest; William S. Dougherty, Forest Guard, Pecos National Forest; A. J. Linville, Forest Guard, Prescott National Forest.

DISTRICT 4—Operation: James H. McClung, Forest Guard (Hunter), Salmon National Forest; Albert W. Norton, jr., Forest Guard (Hunter), Sevier National Forest; Marshall Parks Page, Forest Guard, and Benjamin F. Welch, Forest Guard (Hunter), Wyoming National Forest.

DISTRICT 5—Operation: John H. Riee, Forest Guard, Stanislaus National Forest; Rita A. Castle, Forest Clerk, Trinity National Forest; Earl Slinkard, Forest Guard, Sequoia National Forest; David E. Godfrey, Forest Guard, Cleveland National Forest; Arthur B. Allen, Forest Guard, Sequoia National Forest; Richard N. Hart, Forest Guard, Sequoia National Forest; George Silvey, Forest Guard, Sequoia National Forest; Joseph H. Monny, Forest Guard, Sequoia National Forest; Franeis D. Hart, Forest Guard, Sequoia National Forest; Arthur J. Dyas, Forest Guard, Sequoia National Forest; Edna C. Wilkins, Clerk, Lassen National Forest; Thomas C. Patterson, Assistant Forest Ranger, Tahoe National Forest.

Lands: L. Grant Duncan, Expert Miner, Cleveland National Forest.

REVOCATION OF APPOINTMENT.

DISTRICT 1—Operation: Walter J. Hyde, Forest Guard, Beartooth National Forest; Frederick F. Clark, Blackfeet National Forest; Charles Raney, Forest Guard, Coeur d'Alene National Forest; Walter D. Hofer, and P. F. Pierce, Forest Guards, Madison National Forest; John Kokta, Forest Guard, Willard N. Michael, Forest Guard, and William John Fahney, Forest Guard, Nez Perce National Forest; Lewis J. White, Forest Guard, Superior National Forest.

DISTRICT 2—Operation: Robert O. Throckmorton, Assistant Forest Ranger, Arapaho National Forest; Herman A. Armstrong, Forest Guard, San Juan (W) National Forest; Clifton Lister, Forest Guard, Hayden National Forest; Enoch Beech, Forest Guard, White River National Forest; Raymond P. Gregg, Assistant Forest Ranger, Leadville National Forest; L. S. Parke, Field Assistant, Arapaho National Forest.

DISTRICT 3—Operation: George W. Murnane, Clerk (Stenographer and Typewriter), Carson National Forest.

DISTRICT 5—Operation: William S. Wallace, Forest Guard, California National Forest; Van B. Sleeper, Forest Guard, California National Forest; John B. Rupley, Forest Guard, Tahoe National Forest; William C. Duncan, Forest Guard, Trinity National Forest.

DISMISSED

DISTRICT 1—Operation: Theodore Christensen, Deputy Forest Ranger, Blackfeet National Forest.

The death of Mr. Louis Christian Miller, Chief of the Section of Planting in District 2, which occurred at Denver, Colo., on July 16, following an operation for appendicitis, is announced with profound regret. Mr. Miller entered the Division of Forestry as a Student Assistant June 16, 1900, and became a Field Assistant November 1, 1903. Practically his whole service was spent in lines of work directly connected with forest extension, and at the time of his death he was a recognized expert in planting work. He was a member of the Society of American Foresters. He was highly esteemed as a man of character and ability, and his death is deeply mourned by his associates in the Forest Service.

With deep regret announcement is made of the death of Alexander A. Cummings, Forest Guard, on the Superior National Forest, who was drowned in Knife Lake, May 8; of Sidney E. Moylle, Assistant Forest Ranger, on the White River National Forest, at Meeker, Colo., June 15; of Henry C. Hinst, Deputy Forest Ranger, on the Sawtooth National Forest, at Hailey, Idaho, May 17; and of Frank P. Hill, Assistant Forest Ranger, on the Umpqua National Forest, at Roseburg, Oreg.

SERVICE NOTES FOR JULY

These notes contain instructions and necessary information for Forest officers, and will therefore be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

PUBLICATION.

In future the Field Program will be published quarterly instead of monthly and on the fifteenth of the first month in each quarter. Each issue will be complete.

LAW.

UNITED STATES DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., June 9, 1910

GENERAL ORDER No. 140.

DUTIES OF THE SOLICITOR.

The Act of Congress approved May 26, 1910, contains the following provision:

"Hereafter the legal work of the Department of Agriculture shall be performed under the supervision and direction of the Solicitor."

To carry into effect this provision of law it is hereby ordered that the legal work of the various bureaus, offices, and divisions of this Department shall hereafter be conducted as follows:

* * * * *

4. *Forest Service*.—The legal work of the Forest Service shall be conducted in accordance with General Order No. 138, dated January 15, 1910, subject to the following change: On and after July 1, 1910, the positions of Law Officer, First Assistant Law Officer, and Assistant Law Officer, in Washington, will be discontinued, and the law work of the Forest Service in Washington will be performed under the immediate direction of the Solicitor.

GRAZING TRESPASS SETTLEMENT—Payment of \$378 has been received from U. F. Diteman in settlement of grazing trespass (civil) by Diteman and Rennie on the Rainier National Forest. The trespassers were arraigned in the United States Court at North Yakima on May 17 on the indictment for criminal trespass and a demurrer was filed by their attorney. The court announced that he would enter an order sustaining the demurrer as soon as he could prepare his opinion.

ACCOUNTS

FORMS 861 AND 861-G REVISED—Letters of transmittal, Forms 861 and 861-G, have been revised, the revised forms having a perforated coupon to be detached by the District Fiscal Agent and retained as a permanent record in his office. With the

exception of this perforation the form is practically unchanged, and its use, so far as Forest officers are concerned, will remain the same. The revised forms will be distributed as soon as received and should then be used exclusively by all Forest officers for transmitting collections on accounts of Forest resources. All old Forms 861 and 861-G on hand should be destroyed when the new edition is received.

REVISION OF PAY-ROLL FORMS—The Field pay roll, Form 2, has been revised and will now be used by Forest supervisors in certifying monthly salaries of the Forest force instead of Certificate of Service, Form 143. An initial supply will be furnished by the Property Clerk at Ogden without requisition. When that is received, the use of Form 143 should be discontinued. If a supply is not received within a reasonable time after July 1, the Property Clerk should be notified. In preparing the pay rolls three copies should be made—the original and one carbon forwarded to the District Fiscal Agent and the second carbon retained in the Forest file. The original pay roll only should be certified, but the carbons should show the name of the certifying officer.

TRANSPORTATION REQUESTS—Alterations or erasures on a transportation request should be made only by a person who has authority to issue the request. Allowance for extra services rendered in accordance with an unauthorized alteration of a request can not be made unless such services are specifically ratified and approved by proper authority. Additional accommodations required by an employee over those originally provided for him should be paid for by himself and reimbursement requested therefor; which can only be made after the same are furnished and are ratified and approved as necessary and required for the Government's interest. Decision by Comptroller, July 22, 1909.

OPERATION

CHANGES IN NATIONAL FOREST BOUNDARIES AND AREAS—Since the June issue of the Field Program the President has signed proclamations changing the areas and boundaries of certain National Forests as follows:

On May 27, San Isabel and Las Animas (District 2) eliminating 99,965 acres and consolidating both forests under the name of San Isabel; Wallowa (District 6), eliminating 203,635 acres and transferring 604 acres to Wenaha; Wenaha (District 6), transferring 604 acres from the Wallowa. June 7, Datil (District 3), eliminating 95,178 acres and adding 183,091 acres. June 8, Executive Order combining San Luis and Santa Barbara National Forests (District 5) under the name of Santa Barbara. June 9, proclamations eliminating 5,640 acres from the Cochetopa and 11,195 acres from the Gunnison (District 2). June 10, eliminating 45,489 acres from the Uncompahgre (District 2).

Other proclamations effective July 1 made the following changes: In District 1, 16,012 acres were eliminated from the Deerlodge (Montana) and 33,358 acres were transferred to the Beaverhead; 106,875 acres were eliminated from the Beaverhead (Idaho and Montana), 15,680 acres were transferred to the Targhee, 140,160 acres transferred to the Lemhi, and an addition of 33,358 acres made by transfer from the Deerlodge. In District 2, the Medicine Bow Forest became the Colorado, and

the name of the Cheyenne (Wyoming) was changed to Medicine Bow and 39,865 acres were eliminated. In District 3, the changes in the Chiricahua (Arizona and New Mexico) were: Additions, 30,560 acres; additions by transfer from the Coronado, 51,840 acres, and eliminations, 57,297 acres; in the Coconino (Arizona) additions, 28,775 acres, and eliminations, 283,344 acres. The Tusayan (Arizona), a new Forest, consists of 1,830,487 acres, of which 1,756,131 acres were formerly a part of the Coconino and 74,356 acres reserved by this proclamation. The changes in the Coronado were: Additions, 15,120 acres, and eliminations, 383,809 acres. The changes in the Manzano (New Mexico) were: Additions, 268,770 acres; transfer to the Zuni, 215,601 acres, and eliminations, 84,158 acres. The changes in the Zuni were: Additions, 126,001 acres, and eliminations, 5,219 acres. In District 4, 60,070 acres were eliminated from the Targhee (Idaho and Wyoming). A new Forest, the Palisade, was created by taking 583,650 acres from the former Targhee (Idaho and Wyoming). 15,122 acres were eliminated from the Nebo (Utah), and 54,240 acres transferred to the Wasatch. The Wasatch received an addition of 8,713 acres, and 1,440 acres were eliminated. In District 5, a new Forest called the Kern was created from 1,938,528 acres formerly a part of the Sequoia, together with 12,663 acres of newly reserved land. The Sequoia received an addition of 9,389 acres, and 175,730 acres by transfer from the Sierra, and lost 65,490 acres by elimination. In District 6, an addition of approximately 239,360 acres to the Chelan was made by transfer from the Wenatchee.

REQUISITIONS FOR FORM 979.—The supply of Form 979, Conventional Township Sketching Sheet, which hitherto had been furnished by the Property Clerk to District Headquarters only and distributed from there as needed on the National Forests, will hereafter be issued directly from the Supply Depot at Ogden to the supervisors' headquarters. Chiefs of Maintenance should, therefore, requisition only the number of copies needed at the district offices, and supervisors should requisition directly on the Supply Depot the number of copies necessary for their work.

SILVICULTURE

CORRECT PREPARATION OF PAPERS.—If the present plan of having supervisors prepare important papers in reference to timber sales, sawmills, etc., is to be successful, Forest officers must be careful to see that the blank space on the forms used are filled out properly and that the paper is in every respect correctly drafted before it is submitted for execution. Mistakes in respect to material language and terms can not be corrected after the execution of the papers, without destroying the validity of the contract or bond, as the case may be.

DUPLICATES OF LETTERS ON INSECT INFESTATION.—Letters dealing with diseases or insect infestation should be forwarded to the Forester in duplicate, in order that the copies may be transmitted either to the office of Forest Pathology or to the office of Insect Investigations, without additional copying in the Washington office. Much unnecessary typewriting will be avoided if this is done in all cases.

RECONNAISSANCE FORMS.—The present reconnaissance Forms 321, 322, and 323, have been revised as follows: Form 321 (book) has been discontinued and is superseded in part by Forms 321a ("Forty Estimate Sheet"), and 322, revised ("Recon-

naissance Section Plat''), both of which are loose sheets and are prepared for use in small valuation tally holders. Form 321a is for detailed tally by forties, together with descriptive notation. Form 322, instead of being an office form exclusively, has been rearranged so that by folding the form it is reduced to the same size as Form 321a and can be used in the same holder, thus making it available in part as a field form for mapping purposes. Form 323 remains the same in general arrangement, except that the scale has been changed to two inches to the mile, thus making it conform to the atlas scale.

GRAZING

IDENTIFICATION OF GRASSES AND FORAGE PLANTS—The Forester will be glad to have all Forest officers avail themselves fully of the services of the plant expert in the Washington office in identifying and classifying the various grasses and other forage plants found on the National Forests. It is evident, however, from the condition in which many of the specimens now reach the expert, that Forest officers are not taking sufficient pains in gathering and forwarding them. If the instructions contained in the circular of April 5, 1909, "Suggestions for the Collection of Range Plant Specimens," are carefully followed, so far as relates to the selection and handling of such specimens, much delay and disappointment will be saved.

LANDS

PROCEDURE IN THE CONDUCT OF CLAIMS CASES—The following agreement, to govern hearings and appeals in cases involving lands or claims within National Forests, was signed on June 25, 1910, by the Secretary of the Interior and by the Secretary of Agriculture:

To the Commissioner, Registers and Receivers, and Chiefs of Field Division, General Land Office, Department of the Interior; the Forester, District Foresters, and District Law Officers of the Department of Agriculture.

GENTLEMEN: To better effectuate cooperation in protecting the interest of the Government and settlers and other claimants for lands within National Forests, the following orders are effective:

1. Forest Supervisors will submit all reports made by forest officers to the District Forester, who, when satisfied with said reports, will transmit the same to the Secretary of Agriculture; the Secretary of Agriculture will forward such reports to the Secretary of the Interior. The Commissioner of the General Land Office will return said reports to the proper Chief of Field Division for notation upon his records and for his approval in the event he finds the same sufficient; and should the Chief of Field Division find such report insufficient to warrant proceedings to hearing or the taking of other appropriate action, he will return the same with indorsements, asking that the Department of Agriculture make such additional investigation as may be necessary, or in the event he deems it advisable he will cause an agent of the General Land Office to make such additional investigation.

2. Upon order or applications for hearings upon reports covering lands or claims within a National Forest, the Register and Receiver will send duplicate notices thereof to the Chief of Field Division and the District Law Officer. Before setting date for the hearing in any such case, the Chief of Field Division will confer with the proper District Law Officer and thereupon suggest to the Register and Receiver a date for hearing, and the names of witnesses to be subpoenaed upon behalf of the Government. In the event the Chief of Field Division and the District Law Officer

are unable to agree as to the date of hearing, the matter will be referred by the Chief of Field Division to the Commissioner of the General Land Office, who will give the necessary direction in the premises.

3. In all hearings affecting lands or claims within a National Forest, the Chief of Field Division or a special agent of the General Land Office, *and* the District Law Officer, or Assistant District Law Officer, will be entered of record as appearing on behalf of the Government. The Chief of Field Division or special agent acting as attorney for the Government in any such case will control the Government's side of the case in any matter as to which counsel are unable to agree, subject to any direction that may be given by the Commissioner of the General Land Office, in case the matters of difference are of such importance as to be presented to him for action.

4. In all Government cases before registers and receivers involving lands or claims within a National Forest the Chief of Field Division and the District Law Officer shall each be served with notice of all motions, orders, and decisions required to be noticed under the rules in cases of private contests. The proper law officers of the Department of Agriculture shall also have a right of appeal from any decision by the Commissioner of the General Land Office, and to file motion for review in the Department, or take other like action in the same manner as a private contestant, and shall receive like notices of proceedings and decisions.

5. Costs incident to hearings before registers and receivers in Government cases involving lands or claims within a National Forest will be paid under rules now in force. Expenses incident to appeals will be paid by the Department of Agriculture, except that, where feasible, Chiefs of Field Division may give aid in office work in preparation of papers, briefs, etc.

Very respectfully,

(Signed)

R. A. BALLINGER,
Secretary of the Interior.

(Signed)

JAMES WILSON,
Secretary of Agriculture.

On June 28 the following instructions for procedure in contested claims cases on National Forests, signed by the Forester and by the Solicitor, were approved by the Secretary of Agriculture:

To the District Foresters and District Law Officers:

1. It is not the purpose or intent of the Department to initiate contests against claimants who have entered lands in the National Forests in good faith to secure a home, or for other purposes recognized by law, and in such cases no contest should be initiated upon slight, technical non-compliance with the law. It is the purpose and intent, however, to protect the lands of the United States within the National Forests from acquisition by those who do not seek them for purposes recognized by law, and when it is apparent that an entry is not made or a claim initiated in good faith and in compliance with the spirit of the law under which the entry or claim is made, but is believed to be a subterfuge to acquire title to timber land, or to control water, a water-power site, or rights of way; or if it otherwise actively and materially interferes with the essential interests of the National Forest in that locality, a contest should be begun even if the technical requirements of the law appear to have been fulfilled. As to mining claims, it should especially be borne in mind that good faith almost necessarily exists when the claims are located on untimbered and unwatered lands which control no means of access or rights of way.

It is necessary that the officers of the Forest Service who make an examination of claims to lands in the National Forests carefully consider all the circumstances surrounding the claim to the end that the good faith of the claimant may be determined.

An adverse report on a claim should be so full and complete that the evidence when submitted to the Interior Department would *prima facie* warrant a cancellation of the entry.

2. When a thorough investigation of a claim has been made and the Supervisor decides that a contest should be initiated he will make a full report to the District Forester. If the District Forester approves the recommendation of the Supervisor he will refer the report to the District Law Office for consideration of the sufficiency of the evidence. If the District Law Officer is of the opinion that other and additional evidence is required, he will so advise the District Forester, who will take the necessary action to secure it. When the report is completed the District Forester will transmit it to the Forester, who will make his recommendation thereon and transmit all the papers to the Solicitor, who will make an examination of the case for the purpose of ascertaining the sufficiency of the law and evidence to sustain the contest and for the purpose of recommending to the Secretary the action to be taken thereon.

3. The reports of the Forest officers should be as full and complete as the facts of the case will permit and should include especially:

(a) A particular description of the land, its location, character, amount of timber, description of improvements; and if an agricultural claim, its accessibility as a home, extent and nature of cultivation each year, and periods of residence; if a mining claim, the nature and extent of work done, and, when the examination has been made by an expert miner, the nature and extent of mineral deposits.

(b) A digest of the testimony of witnesses and, where possible, the testimony of witnesses reduced to writing, signed, and verified by them.

(c) A full statement of the Forest officer showing facts in his knowledge and the sources from which derived. Facts, not opinion, are desired.

(d) A full statement of entryman or claimant should be procured if possible.

The foregoing specifications of evidence to be submitted are not exclusive of any other evidence pertinent and relevant to the case, the intent being that the report should be fair and sufficient in detail to enable the department to determine whether a contest should be initiated.

4. Upon the determination of the Secretary as to the action required he will advise the Secretary of the Interior, and if a contest is necessary, he will indicate the charges upon which a hearing is requested and will transmit the report of the Forest officer to him with the request that action be taken.

5. When the District Law Officer is notified by the Register and Receiver of an order or application for a hearing the Law Office will confer with the Chief of Field Division of the General Land Office for the purpose of fixing a date for hearing. The District Law Officer or his assistant will attend the hearing and assist the special agent of the General Land Office in the conduct of the hearing as directed by the joint order of the Secretary of Agriculture and the Secretary of the Interior of June 25. The District Law Officer will secure a copy of the testimony in each case at the expense of the Forest Service, will prepare a brief for the Department, which will be filed with the papers in the local Land Office and transmitted by the Register and Receiver to the Commissioner of the General Land Office, and a copy of the brief must be duly served on the claimant or his attorney by the Law Officer. The District Law Officer will send his copy of the testimony and a copy of the brief prepared by him to the

Solicitor of the Department of Agriculture for use in the event additional action is desired by the Solicitor before the Commissioner of the General Land Office and for use in the preparation of appeals, if any, from the decision of the Commissioner of the General Land Office.

(Signed) H. S. GRAVES,
Forester.

(Signed) GEO. P. McCABE,
Solicitor.

Approved:

JAMES WILSON,
Secretary.

SETTLERS ON RESTORED AREAS—The Secretary of the Interior decided, June 8, 1910, that persons who are occupying lands under special-use permits within that portion of the Montezuma National Forest recommended for elimination by proclamation and who continue to reside thereon to the time the lands are restored to settlement and entry, will be entitled to a preference right of entry by virtue of their settlement and residence. The lands involved have not yet been eliminated from the Forest, owing to the necessity of a resurvey of a private land claim embracing a portion of the lands involved. When they are restored they will be declared open to settlement upon a given date, and to entry, filing, and settlement at a date thirty days thereafter, thus affording the prospective homesteader and actual settler the advantage over others who may apply. Respecting the rights of persons who have merely applied for the listing of lands under the act of June 11, 1906, within that area to be eliminated, and who have not actually settled upon the land, the Interior Department declines to express an opinion as to any rights which they may have until an actual concrete case is presented for consideration.

EXAMINATIONS OF FOREST HOMESTEAD APPLICATIONS—Owing to the prime importance of this work, to the danger of inconsistent action, and to the difficulty of conveying by report a clear idea of the listability of lands in doubtful cases, it is advisable that only the more experienced and efficient Forest officers be assigned to the work. Supervisors are expected to give as much personal attention to this work as possible, so that reexaminations will not be necessary, because reports fail to represent the true conditions.

SERVICE PUBLICATIONS ISSUED IN JUNE AND JULY

Bulletin 79—The Life History of Lodgepole Burn Forests.

Bulletin 81—The Forests of Alaska.

Bulletin 82—Protection of Forests from Fire.

Circular 178—The Pasturage System for Handling Range Sheep.

Circular 180—Lumber Saved by Using Odd Lengths.

